

Table 2

Tissue MicroArray Normal 2000 (NO200)

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
Ala	1	47	F	Thyroid	Adenoma	Normal	Ok	biopsy
Alb	1	47	F	Thyroid	Thyroid cancer	Normal	Ok	Biopsy
Alc	1	47	F	Thyroid	Adenoma	Normal	Ok	Biopsy
Alc	1	47	F	Thyroid	Adenoma	Normal	Ok	Biopsy
Alc	1	47	F	Thyroid	Adenoma	Normal	Ok	Biopsy
Alc	2	26	M	Thyroid	Adenoma	Normal	Ok	Biopsy
Alf	2	26	M	Thyroid	Adenoma	Normal	Ok	Biopsy
Alg	2	26	M	Thyroid	Adenoma	Normal	Ok	Biopsy
Alh	3	65	M	Thyroid	Adenoma	Normal	Ok	Biopsy
Ali	3	65	M	Thyroid	Adenoma	Normal	Ok	Biopsy
Alj	3	65	M	Thyroid	Adenoma	Normal	Ok	Biopsy
Alk	4	32	F	Adrenal gland	Depression, trauma	Normal	Ok	Autopsy, 3h
Alk	4	32	F	Adrenal gland	Depression, trauma	Normal	Ok	Autopsy, 3h
Alm	4	32	F	Adrenal gland	Depression, trauma	Normal	Ok	Autopsy, 3h
Aln	5	41	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 5h
Aln	5	41	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 5h
Alp	5	41	M	Adrenal gland	Trauma	Normal	Few epithelial cells	Autopsy, 5h
A2a	6	37	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 4h
A2b	6	37	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 4h
A2c	7	74	M	Adrenal gland	Clear cell RCC	Normal	Few epithelial cells	Biopsy
A2d	7	74	M	Adrenal gland	Clear cell RCC	Normal	Ok	Biopsy
A2e	12	28	F	Placenta, third trimester	Rapid labor	Normal	Ok	Biopsy
A2f	12	28	F	Placenta, third trimester	Rapid labor	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A2g	12	28	F	third trimester Placenta, third trimester	Rapid labor	Normal	Ok	Biopsy
A2h	13	29	F	third trimester Placenta, third trimester	Prolonged labor	Normal	Ok	Biopsy
A2i	13	29	F	third trimester Placenta, third trimester	Prolonged labor	Normal	Ok	Biopsy
A2j	13	29	F	third trimester Placenta, third trimester	Prolonged labor	Normal	Ok	Biopsy
A2k	14	32	F	third trimester Placenta, third trimester		Normal	Ok	Biopsy
A2l	14	32	F	third trimester Placenta, third trimester		Normal	Ok	Biopsy
A2m	15	29	F	third trimester Placenta, third trimester	Full term pregnancy	Normal	Ok	Biopsy
A2n	15	29	F	third trimester Placenta, third trimester	Full term pregnancy	Normal	Ok	Biopsy
A2o	16	25	M	third trimester Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A2p	17	18	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3a	18	17	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3b	18	17	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3c	19	22	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3d	19	22	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3e	20	42	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3f	20	42	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3g	21	34	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3h	21	34	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3i	22	16	M	Lymph node	Normal	Normal	Ok	Biopsy
A3j	22	16	M	Lymph node	Normal	Normal	Ok	Biopsy
A3k	23	76	M	Lymph node	Gastric cancer	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A3l	23	76	M	Lymph node	Gastric cancer	Normal	Ok	Biopsy
A3m	24	62	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A3n	24	62	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A3o	24	62	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A3p	25	54	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A4a	25	54	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A4b	25	54	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A4c	26	32	F	Spleen	Depression, trauma	Normal	Ok	Biopsy
A4d	26	32	F	Spleen	Depression, trauma	Normal	Ok	Autopsy, 3h
A4e	27	21	F	Spleen	Trauma	Normal	Ok	Autopsy, 3h
A4f	27	21	F	Spleen	Trauma	Normal	Ok	Biopsy
A4g	28	43	M	Spleen	Old hematoma	Normal	Ok	Biopsy
A4h	28	43	M	Spleen	Old hematoma	Normal	Ok	Biopsy
A4i	29	74	F	Spleen	Rightig	Normal	Ok	Biopsy
A4j	29			Spleen		Normal	Ok	Biopsy
A4k	30	26	F	Spleen	Hodgkin disease	Normal	Ok	Biopsy
A4l	30	26	F	Spleen	Hodgkin disease	Normal	Ok	Biopsy
A4m	31	68	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A4n	31	68	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A4o	32	44	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A4p	32	44	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A5a	33	53	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A5b	33	53	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A5c	33	53	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A5d	34	57	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A5e	34	57	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A5f	34	57	F	Skin	Breast Cancer	Normal	Ok	Biopsy
A5g	35	32	F	Heart	Depression, trauma	Normal	Ok	Biopsy
A5h	35	32	F	Heart	Depression, trauma	Normal	Ok	Autopsy, 3h
A5i	35	32	F	Heart	Depression, trauma	Normal	Ok	Autopsy, 3h
A5j	36	41	M	Heart	Trauma	Normal	Ok	Autopsy, 5h
A5k	36	41	M	Heart	Trauma	Normal	Ok	Autopsy, 5h
A5l	36	41	M	Heart	Trauma	Normal	Ok	Autopsy, 5h
A5m	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5n	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5o	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5r	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A6a	38	25	M	Skeletal muscle	Tonsillitis chronica	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A6b	39	27	M	Skeletal muscle	Seminoma	Normal	Ok	Biopsy
A6c	40	22	M	Skeletal muscle	Chronic tonsillitis	Normal	Ok	Biopsy
A6d	41	43	M	Skeletal muscle	Hernia	Normal	Ok	Biopsy
A6e	42	67	M	Skeletal muscle	Eyloid resection	Normal	Ok	Biopsy
A6f	42	67	M	Skeletal muscle	Eyloid resection	Normal	Ok	Biopsy
A6g	44	31	F	Skeletal muscle	Thyroid cancer	Normal	Bleeding, no muscle	Biopsy
A6h	45			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6i	46			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6j	46			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6k	47	75	F	Smooth muscle, intestine	Gastric ulcer	Normal	Ok	Biopsy
A6l	48	68	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6m	49	91	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6n	49	91	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6o	50	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6p	50	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A7a	51	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot#	Material
A7b	51	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7c	52	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7d	52	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7e	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Lipomatous tissue	Biopsy
A7f	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Intestinal metaplasia	Biopsy
A7g	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Ok	Biopsy
A7h	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Chronic inflammation	Biopsy
A7i	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Chronic inflammation	Biopsy
A7j	54	68	M	Stomach, antrum	Gastric cancer	Normal	Chronic inflammation	Biopsy
A7k	54	68	M	Stomach, antrum	Gastric cancer	Normal	Chronic inflammation	Biopsy
A7l	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7m	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7n	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7o	56	68	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A7p	56	68	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8a	57	76	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8b	57	76	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8c	58	47	F	Stomach, corpus	Reflux esophagitis	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A8d	58	47	F	Stomach, corpus	Reflux esophagitis	Normal	Ok	Biopsy
A8e	59	76	F	Stomach, corpus	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8f	59	76	F	Stomach, corpus	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8g	60	90	F	Stomach, corpus	Duodenal ulcer	Normal	No epithelial cells	Biopsy
A8h	60	90	F	Stomach, corpus	Duodenal ulcer	Normal	Ok	Biopsy
A8i	55	75	F	Duodenum	Gastric cancer	Normal	Ok	Biopsy
A8j	55	75	F	Duodenum	Gastric cancer	Normal	Ok	Biopsy
A8k	61	81	F	Duodenum	Colon cancer	Normal	Ok	Biopsy
A8l	61	81	F	Duodenum	Colon cancer	Normal	Ok	Biopsy
A8m	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8n	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8o	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8p	63	90	F	Duodenum	Duodenal ulcer	Normal	Ok	Biopsy
A9a	63	90	F	Duodenum	Duodenal ulcer	Normal	Ok	Biopsy
A9b	63	90	F	Duodenum	Duodenal ulcer	Normal	Ok	Biopsy
A9c	64	66	F	Ileum	Colon cancer	Normal	Ok	Biopsy
A9d	65	79	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9e	66	72	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9f	67	57	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9g	68	72	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9h	68	72	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9i	69	85	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9j	69	85	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9k	70	82	F	Ileum	Colon cancer	Normal	Ok	Biopsy
A9l	70	82	F	Ileum	Colon cancer	Normal	Ok	Biopsy
A9m	71	79	M	Colon	Colon cancer	Normal	Ok	Biopsy
A9n	71	79	M	Colon	Colon cancer	Normal	Ok	Biopsy
A9o	72	85	F	Colon	Colon cancer	Normal	Ok	Biopsy
A9p	72	85	F	Colon	Colon cancer	Normal	Ok	Biopsy
B1a	73	72	M	Colon	Colon adenoma	Normal	No epithelial cells	Biopsy
B1b	73	72	M	Colon	Colon adenoma	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot#	Material
B1c	74	57	M	Colon	Colon cancer	Normal	Sample missing on first section	Biopsy
B1d	74	57	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1e	75	85	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1f	75	85	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1g	76	72	M	Appendix	Colon adenoma	Normal	Ok	Biopsy
B1h	77	57	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1i	77	57	M	Appendix	Colon cancer	Normal	Only smooth muscle	Biopsy
B1j	78	25	F	Appendix	Idiopath megacolon	Normal	Connective tissue	Biopsy
B1k	79	85	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1l	79	85	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1m	80	32	F	Appendix	Uterus endometriosis	Normal	Ok	Biopsy
B1n	80	32	F	Appendix	Uterus endometriosis	Normal	Debris	Biopsy
B1o	81	88	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1p	81	88	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B2a	82	78	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2b	82	78	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2c	83	16	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2d	83	16	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2e	84	56	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2f	84	56	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2g	85	54	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2h	85	54	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2i	86			Gall bladder	Normal	Normal	Ok	Biopsy
B2j	86			Gall bladder	Normal	Normal	Ok	Biopsy
B2k	87	74	F	Liver	Mild non-specific portal triaditis	Normal	Ok	Biopsy
B2l	87	74	F	Liver	Mild non-specific portal triaditis	Normal	Ok	Biopsy
B2m	88	85	M	Liver	Colon cancer, metastatic	Normal	Ok	Biopsy
B2n	88	85	M	Liver	Colon cancer, metastatic	Normal	Ok	Biopsy
B2o	89	71	M	Liver	Cholecystitis	Normal	Ok	Biopsy
B2p	89	71	M	Liver	Cholecystitis	Normal	Inflammation	Biopsy
B3a	89	71	M	Liver	Cholecystitis	Normal	Ok	Biopsy
B3b	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3c	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3d	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3e	93			Pancreas		Normal	Ok	Autopsy, <12h
B3f	93			Pancreas		Normal	Ok	Autopsy, <12h

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B3g	93			Pancreas		Normal	Ok	Autopsy, <12h
B3h	93			Pancreas		Normal	Ok	Autopsy, <12h
B3i	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3j	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3k	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3l	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3m	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3n	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3o	94	31	M	Submandibul ar gland	Sialadenitis other area (behind stone)	Normal	Ok	Autopsy, 5h Biopsy
B3p	94	31	M	Submandibul ar gland	Sialadenitis other area (behind stone)	Normal	Ok	Biopsy
B4a	94	31	M	Submandibul ar gland	Sialadenitis other area (behind stone)	Normal	Ok	Biopsy
B4b	95	62	F	Submandibul ar gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4c	95	62	F	Submandibul ar gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4d	95	62	F	Submandibul ar gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4e	96	31	F	Submandibul ar gland	Thyroid cancer	Normal	Ok	Biopsy
B4f	96	31	F	Submandibul ar gland	Thyroid cancer	Normal	Ok	Biopsy
B4g	96	31	F	Submandibul ar gland	Thyroid cancer	Normal	Ok	Biopsy
B4h	96	31	F	Submandibul ar gland	Thyroid cancer	Normal	Ok	Biopsy
B4i	100	44	F	Ovary, stroma	Abnormal bleedings	Normal	Fallopian tube	Biopsy
B4j	98		F	Ovary, stroma	CIS cervix	Normal	Ok	Biopsy
B4k	99	45	F	Ovary, stroma	Menometrorrhagia	Normal	Ok	Biopsy
B4l	100	44	F	Ovary, stroma	Abnormal bleedings	Normal	Ok	Biopsy
B4m	101	45	F	Ovary, stroma	Myoma uterus	Normal	Ok	Biopsy
B4n	98		F	Ovary, stroma	CIS cervix	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot#	Material
B4o	102	47	F	stroma Ovary,	Hysterectomy	Normal	Sample missing on first section	Biopsy
B4p	102	47	F	stroma Ovary,	Hysterectomy	Normal	Ok	Biopsy
B5a	103	47	F	stroma Ovary,	Myoma uterus	Normal	Ok	Biopsy
B5b	103	47	F	stroma Ovary,	Myoma uterus	Normal	Ok	Biopsy
B5c	100	44	F	stroma Ovary, corpus	Abnormal bleedings	Normal	Ok	Biopsy
B5d	105	32	F	luteum Ovary, corpus	Endometriosis uterus	Normal	Ok	Biopsy
B5e	106	45	F	luteum Ovary, corpus	Menometrorrhagia	Normal	Ok	Biopsy
B5f	106	45	F	luteum Ovary, corpus	Menometrorrhagia	Normal	Ok	Biopsy
B5g	107	44	F	luteum Ovary, corpus	Abnormal bleedings	Normal	Ok	Biopsy
B5h	107	44	F	luteum Ovary, corpus	Abnormal bleedings	Normal	Ok	Biopsy
B5i	108	45	F	luteum Ovary, corpus	Myoma uterus	Normal	Ok	Biopsy
B5j	108	45	F	luteum Ovary, corpus	Myoma uterus	Normal	Ok	Biopsy
B5k	109	47	F	luteum Ovary, corpus	Hysterectomy	Normal	Ok	Biopsy
B5l	109	47	F	luteum Ovary, corpus	Hysterectomy	Normal	Ok	Biopsy
B5m	110	25	F	luteum Fallopian tube		Normal	Ok	Biopsy
B5n	110	25	F	Fallopian tube		Normal	Ok	Biopsy
B5o	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B5r	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B6a	112		F	Fallopian tube	CIS cervix	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot#	Material
B6b	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B6c	113	45	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6d	113	45	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6e	114	47	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6f	114	47	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6g	115	42	F	Myometrium	Dysfunctional bleeding, myoma, adenomyosis	Normal	Some endometrium included	Biopsy
B6h	116	28	F	Myometrium	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B6i	119	30	F	Myometrium	Pelvic pain	Normal	Ok	Biopsy
B6j	118	42	F	Myometrium	Ovarian cyst (endometriosis)	Normal	Endometrium	Biopsy
B6k	119	30	F	Myometrium	Pelvic pain	Normal	Ok	Biopsy
B6l	120	45	F	Myometrium	Menometrorrhagia	Normal	Ok	Biopsy
B6m	121	49	F	Myometrium	Endometrium cancer	Normal	Ok	Biopsy
B6n	121	49	F	Myometrium	Endometrium cancer	Normal	Ok	Biopsy
B6o	122		F	Myometrium	CIS cervix	Normal	Ok	Biopsy
B6p	122		F	Myometrium	CIS cervix	Normal	Ok	Biopsy
B7a	123	31	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7b	123	31	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7c	124	39	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7d	123	31	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7e	125	32	F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7f	125	32	F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7g	126		F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7h	126		F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7i	127	47	F	Endo sekr	Hysterectomy	Normal	Ok	Biopsy
B7j	127	47	F	Endo sekr	Hysterectomy	Normal	Ok	Biopsy
B7k	128	28	F	Endo prol	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B7l	128	28	F	Endo prol	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B7m	129	40	F	Endo prol	Menorrhagia	Normal	Ok	Biopsy
B7n	129	40	F	Endo prol	Menorrhagia	Normal	Few epithelial cells	Biopsy
B7o	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot#	Material
B7p	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8a	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8b	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Few epithelial cells	Biopsy
B8c	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Few epithelial cells	Biopsy
B8d	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Few epithelial cells	Biopsy
B8e	136	45	F	Endocervix	Menometrorrhagia	Normal	Ok	Biopsy
B8f	133		F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8g	134		F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8h	135		F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8i	136	45	F	Endocervix	Menometrorrhagia	Normal	Ok	Biopsy
B8j	136	45	F	Endocervix	Menometrorrhagia	Normal	Ok	Biopsy
B8k	137	49	F	Endocervix	Endometrium cancer	Normal	Ok	Biopsy
B8l	137	49	F	Endocervix	Endometrium cancer	Normal	Ok	Biopsy
B8m	138	47	F	Endocervix	Hysterectomy	Normal	Ok	Biopsy
B8n	138	47	F	Endocervix	Hysterectomy	Normal	Ok	Biopsy
B8o	139	41	F	Ektocervix	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8p	140	32	F	Ektocervix	Endometriosis	Normal	Ok	Biopsy
B9a	141		F	Ektocervix	CIS cervix	Normal	Ok	Biopsy
B9b	142	39	F	Ektocervix	CIS cervix	Normal	Ok	Biopsy
B9c	143	49	F	Ektocervix	Endometrium cancer	Normal	Ok	Biopsy
B9d	143	49	F	Ektocervix	Endometrium cancer	Normal	Ok	Biopsy
B9e	144	47	F	Ektocervix	Hysterectomy	Normal	Stroma only	Biopsy
B9f	144	47	F	Ektocervix	Hysterectomy	Normal	Ok	Biopsy
B9g	145	47	F	Ektocervix	Myoma uterus	Normal	Ok	Biopsy
B9h	145	47	F	Ektocervix	Myoma uterus	Normal	Ok	Biopsy
B9i	146	74	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9j	146	74	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9k	147	78	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
B9l	147	78	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
B9m	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9n	148	88	m	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9o	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B9p	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
C1a	149	87	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
C1b	149	87	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
C1c	150	74	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1d	150	74	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1e	151	78	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C1f	151	78	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C1g	152	88	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1h	152	88	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1i	152	88	m	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1j	153	87	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C2a	153	87	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C2b	153	87	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C2c	154		M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2d	154		M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2e	155	66	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2f	155	66	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2g	156	70	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2h	156	70	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2i	156	70	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2j	157	74	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C3a	157	74	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C3b	157	74	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C3c	158	60	M	Seminal vesicle	Prostate cancer	Normal	Ok	Biopsy
C3d	158	60	M	Seminal	Prostate cancer	Normal	Ok	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
C3e	159	63	M	vesicle Seminal	Prostate cancer	Normal	Ok	Biopsy
C3f	159	63	M	vesicle Seminal	Prostate cancer	Normal	Ok	Biopsy
C3g	160			vesicle Seminal		Normal	Ok	Biopsy
C3h	160	66	M	vesicle Seminal	Prostate cancer	Normal	Ok	Biopsy
C3i	160	66	M	vesicle Seminal	Prostate cancer	Normal	Ok	Biopsy
C3j	161			vesicle Seminal		Normal	Ok	Biopsy
C4a	161			vesicle Seminal		Normal	Ok	Biopsy
C4b	161			vesicle Seminal		Normal	Ok	Biopsy
C4c	162	87	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C4d	162	87	M	Epidydimis	Prostate cancer	Normal	Few epithelial cells	Biopsy
C4e	162	87	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C4f	163	86	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C4g	163	86	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C4h	163	86	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C4i	163	86	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C4j	163	86	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C5a	163	86	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C5b	163	86	M	Epidydimis	Prostate cancer	Normal	Ok	Biopsy
C5c	164	77	M	Testis	Prostate cancer	Normal	Stroma only	Biopsy
C5d	164	77	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C5e	164	77	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C5f	165	87	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C5g	165	87	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C5h	165	87	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C5i	166	86	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C5j	167	73	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C6a	167	73	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C6b	167	73	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C6c	168	87	M	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6d	169	87	M	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy

Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
C6e	168	87	M	Kidney pelvis	Cancer pyelon	Normal	Ok	Biopsy
C6f	169	87	M	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6g	168	87	M	Kidney pelvis	Cancer pyelon	Normal	Ok	Biopsy
C6h	170	85	F	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6i	170	85	F	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6j	170	85	F	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C7a	170	85	F	Kidney pelvis	Cancer pyelon	Normal	Ok	Biopsy
C7b	170	85	F	Kidney pelvis	Cancer pyelon	Normal	Inflammation	Biopsy
C7c	171	63	F	Bronchus	Lung cancer	Normal	No epithelial cells	Biopsy
C7d	171	63	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7e	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7f	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7g	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7h	173	51	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7i	173	51	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7j	174			Bronchus	Lung cancer	Normal	Ok	Biopsy
C8a	174			Bronchus	Lung cancer	Normal	Ok	Biopsy
C8b	174			Bronchus	Lung cancer	Normal	Ok	Biopsy
C8c	175	74	F	Lung	Lung cancer	Normal	No epithelial cells	Biopsy
C8d	176	62	M	Lung	Lung cancer	Normal	Ok	Biopsy
C8e	177	68	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8f	178	69	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8g	179	51	F	Lung	Lung cancer	Normal	Ok	Biopsy
D2c	189	41	M	Cerebrum, white substance	Lung cancer Trauma	Normal	Ok	Autopsy, 5h
D2d	189	41	M	Cerebrum, white substance	Trauma	Normal	Ok	Autopsy, 5h
D2e	189	41	M	Cerebrum, white substance	Trauma	Normal	Ok	Autopsy, 5h
D2f	189	41	M	Cerebrum, white substance	Trauma	Normal	Ok	Autopsy, 5h
D2g	189	41	M	Cerebrum, white substance	Trauma	Normal	Ok	Autopsy, 5h
D2h	191	37	M	Cerebrum, white substance	Trauma	Normal	Ok	Autopsy, 4h

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Coordinates	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot#	Material
D2i	191	37	M	white substance Cerebrum,	Trauma	Normal	Ok	Autopsy, 4h
D2j	191	37	M	white substance Cerebrum,	Trauma	Normal	Ok	Autopsy, 4h
D3a	191	37	M	white substance Cerebrum,	Trauma	Normal	Ok	Autopsy, 4h
D3b	191	37	m	white substance Cerebrum,	Trauma	Normal	Ok	Autopsy, 4h

TABLE 3

Localisation	Organ	Histologic tumor type	Tissue represented Lot 1	Underlying disease	Sex	Age
1a	Breast	Breast cancer, ductal	Ok		F	83
1b	Breast	Breast cancer, ductal	Ok		F	59
1c	Breast	Breast cancer, ductal	Ok		F	74
1d	Breast	Breast cancer, ductal	Ok		F	61
1e	Breast	Breast cancer, ductal	Few cancer cells		F	68
1f	Lung	Lung cancer, squamous	Ok		M	78
1g	Lung	Lung cancer, adenocarcinoma	Ok		M	56
1h	Lung	Lung cancer, squamous	Ok		M	68
2a	Lung	Lung cancer, squamous	Ok		M	60
2b	Lung	Lung cancer, large cell	Ok		F	71
2c	Colon	Colon cancer, adenocarcinoma	Ok		M	70
2d	Colon	Colon cancer, adenocarcinoma	Ok		F	71
2e	Colon	Colon cancer, adenocarcinoma	Ok		M	65
2f	Colon	Colon cancer, adenocarcinoma	Ok		M	79
2g	Colon	Colon cancer, adenocarcinoma	Ok		M	74
2h	Prostate	Prostate cancer, adenocarcinoma	Ok		M	85
3a	Prostate	Prostate cancer, adenocarcinoma	Ok		M	77
3b	Prostate	Prostate cancer, adenocarcinoma	Ok		M	70
3c	Prostate	Prostate cancer, adenocarcinoma	Ok		M	60
3d	Prostate	Prostate cancer, adenocarcinoma	Ok		M	68
3e	Scel muscle	Normal	Ok	Breast cancer	F	79
3f	Scel muscle	Normal	Ok	Breast cancer		
3g	Kidney, cortex	Normal	Ok	Renal pelvis cancer	M	78
3h	Kidney, cortex	Normal	Ok	Renal pelvis cancer	M	87
4a	Liver	Normal	Ok	Splenomegaly	F	71
4b	Liver	Normal	Ok	Hodgkin disease	F	26
4c	Lymph node	Normal	Ok	Cholecystitis	M	16
4d	Lymph node	Normal	Ok	Gastric cancer		
4e	Prostate	Normal	Ok	Prostate cancer	M	
4f	Prostate	Normal	Ok	BPH	M	68

Localisation	Organ	Histologic tumor type	Tissue represented Lot 1	Underlying disease	Sex	Age
4g	Thyroid	Normal	Ok	Thyroid adenoma	F	47
4h	Thyroid	Normal	Ok	Thyroid adenoma	M	26
5a	Spleen	Normal	Ok	Trauma	F	21
5b	Spleen	Normal	Ok	Old hemotoma	M	43

TABLE 4

BNr	Nr on block	localisation	coordinates	category	BI ca	BI gleason 1	BI gleason 2	BI gleason 3	BI gleason 4	BI gleason 5	gleason 1	gleason 2	gleason sum	Gleason array	disease
b89.2864	1	A 1a	0/0	cancer	0.9		1 to 11					2	4	2	
b89.2993	2	A 1b	800/0	cancer	2			1 to 9	1 to 9		3 to 4	3 to 4	7		
b89.6007	3	A 1c	1600/0	cancer	2				1 to 6	1 to 6	5	4	9		
b89.7460	4	A 1d	2400/0	cancer				1;2;3;4;5		dddd	3	5	8		
b89.8302	5	A 1e	3200/0	cancer	1.5					1;2	5	5	10	5	
b91.2234	6	A 1f	4000/0	cancer	1						4	4	8	4	
b91.7671	7	A 1g	4800/0	cancer	0		4;5;11;12	11;12			2	3	5		
b93.3679	8	A 1h	5600/0	cancer	1		1;2;3;4		1;2;3;4		4	2	6	4	
b93.4574	9	A 2a	0/800	cancer	0.6		1							3	
b93.8235	10	A 2b	800/800	cancer	1			1;2	1;2		4	3	7	4	
b97.1001	11	A 2c	1600/800	cancer	1.5		1 to 10	1 to 10			3	2	5		
b97.1588	12	A 2d	2400/800	cancer	1		1;4;5				2	2	4	2	
b97.1655	13	A 2e	3200/800	cancer	0.8			1;2			3				
b97.2635	14	A 2f	4000/800	cancer	0.6		1				2	2	4	2	
b97.3455	15	A 2g	4800/800	cancer	1		2		1		4	2	6	4	
b97.365	16	A 2h	5600/800	cancer	1						3	2	5		
b97.4392	17	A 3a	0/1600	cancer	1.2			1						4	
b97.566	18	A 3b	800/1600	cancer	1.2		1;2;3;4;5				2	2	4		
b97.6494	19	A 3c	1600/1600	cancer	1.3		1;2;3	1			3	2	5	3	
b97.730	20	A 3d	2400/1600	cancer	0.8		1;2				2	2	4	2	

BNr	Nr on block	localis- ation	coordinates	category	BI gleason 1	BI gleason 2	BI gleason 3	BI gleason 4	BI gleason 5	gleason 1	gleason 2	gleason sum	Gleason array	disease
b97.9880	21	A 3e	3200/1600	cancer	0.6	1:2;3	1:2;3			2	3	5	2	
h86.1325	22	A 3f	4000/1600	cancer				1:2;3;4;5		5	4	8	5	
h86.1460	23	A 3g	4800/1600	cancer	1.5	1:2;3				2	2	4	2	
h87.10	24	A 3h	5600/1600	cancer	2				1:2;3;4	5	5	10	5	
h87.1104	25	A 4a	0/2400	cancer					1				5	
h87.1137	26	A 4b	800/2400	cancer	2				1:2;3;4	5	5	10	5	
h87.1545	27	A 4c	1600/2400	cancer	0.7	1:2;3				2	2	4	2	
h87.1748	28	A 4d	2400/2400	cancer	1.6	1:2;3;4;5; 6		1:2;3;4;5; 6		2	4	6	4	
h87.39	29	A 4e	3200/2400	cancer	1		1:2;3;4	2;3;4		3	4	7	3	
h87.410	30	A 4f	4000/2400	cancer	1.5	1:2;3;4;5				2	3	5	2	
h88.1898	31	A 4g	4800/2400	cancer	1.8		1:2;3;4;5; 6,7	1:2;3;4;5; 6,7		5	4	9	5	
h88.1936	32	A 4h	5600/2400	cancer	2.5; 0.3		1:2;3;4;5	1:2;3;4;5		3	4	7	3	
h88.470	33	A 5a	0/3200	cancer	0.8		1:2;3;4	1:2;3;4	1:2;3;4	4	5	9	4	
h89.1385	34	A 5b	800/3200	cancer	1.8		1;3		1:2;3;4;5	5	3		3	
h90.2002	35	A 5c	1600/3200	cancer		1:2;3				2	2	4	2	
h90.383	36	A 5d	2400/3200	cancer	2.5		1:2;3;4	3		3	4	7	3	
h91.566	37	A 5e	3200/3200	cancer	1;0, 8			1	1:2;3;4;5	4	5		5	
h91.73	38	A 5f	4000/3200	cancer	1.5			2;3;4;6	1:2;3;4;6	5	4	9	5	
h91.946	39	A 5g	4800/3200	cancer	2.5				1 to 7	5	5	10	5	

BNr	Nr on block	localisation	coordinates	category	BI ca	BI gleason 1	BI gleason 2	BI gleason 3	BI gleason 4	BI gleason 5	gleason 1	gleason 2	gleason sum	Gleason array	disease
h91.957	40	A 6a	0/4000	cancer	1.5			1;2,3;4;5	1;2,3;4;5		4	3	7	3 to 4	
h92.1219	41	A 6b	800/4000	cancer	3			1;2,3;4;5; 6	1;2,3;4;5; 6		4	3	7	4	
h92.1403	42	A 6c	1600/4000	cancer	0.6			1;2	1;2		3	4	7		
h92.338	43	A 6d	2400/4000	cancer	6,6			1;2,3;4	1;2,3		2	3	5	2	
h92.420	44	A 6e	3200/4000	cancer	1.5				1	1	5	5	9	5	
h92.550	45	A 6f	4000/4000	cancer	1;6; 5			some	5;some	1;2,3;4;5	5	3	8	3	
h93.1267	46	A 6g	4800/4000	cancer	2										
h93.1610	47	A 7a	0/4800	cancer	1.5		1;2,3;4	4, and some in others		1;2,3;4;5	5	5	10	5	
h93.804	48	A 7b	800/4800	cancer	7,6			1;2		1;2	5	3	8	3	
	49	A 7c	1600/4800	cancer											
	50	A 7d	2400/4800	cancer											
	51	A 7e	3200/4800	cancer											
	52	A 7f	4000/4800	cancer											
	53	A 7g	4800/4800	cancer											
	54	A 8a	0/5600	cancer											
	55	A 8b	800/5600	cancer											
	56	A 8c	1600/5600	cancer											
	57	A 8d	2400/5600	cancer											
	58	A 8e	3200/5600	cancer											

BNr	Nr on block	localis- ation	coordinates	category	BI ca	BI gleason 1	BI gleason 2	BI gleason 3	BI gleason 4	BI gleason 5	gleason 1	gleason 2	gleason sum	Gleason array	disease
	59	A 8f	4000/5600	cancer											
	60	A 8g	4800/5600	cancer											
h86.1441	61			normal											PBPH
h86.1810	62			normal											PBPH
h89.8510	63			normal											PBPH
h88.1377	64			normal											PBPH
h88.1744	65			normal											PBPH
h86.1565	66			normal											PBPH
h86.1605	67			normal											PBPH
h86.1601	68			normal											PBPH
h86.901	69			normal	0										PBPH
h91.1092	70			normal											PBPH
h91.1420	71	B 4b	800/2400	normal kidney											renal pelvis TCC
h93.1995	72	B 4c	1600/2400	normal kidney											renal pelvis TCC
h87.346	73	B 5a	0/3200	normal kidney											cholecystitis
h90.491	74	B 5b	800/3200	Normal kidney											Hodgkin disease
h89.590	75	B 6a	0/4000	normal lymph node											colon cancer
h91.463	76	B 6b	800/4000	normal lymph											colon cancer

TABLE 5

BNr	Coordinates	Identical biopsy	sex	age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes Stage	tumor diameter
b89.4539	A1a	f	84	colon	adenocarcinoma			cecum	G2	3	1	C	35
b89.4746	A1b	m	79	colon	mucinous carcinoma	glandular adenocarcinoma a, 35%		transverse colon	G2	3	0	B	70
b91.1771	A1c	m	70	colon	adenocarcinoma			ascending colon	G2	2	0	A	50
b91.1827	A1d	m	64	colon	adenocarcinoma			rectum	G2	2	0	A	25
b91.2771	A1e	m	79	colon	adenocarcinoma			cecum	G2	3	2	C	90
b91.2835	A1f	f	85	colon	adenocarcinoma			cecum	G2	3	0	B	35
b91.2844	A1g	m	72	colon	mucinous carcinoma			sigmoid	G3	3			
b91.318	A1h	m	70	colon	adenocarcinoma			sigmoid	G2	3			15
b91.5093	A2a	m	57	colon	adenocarcinoma			cecum	G2	3	0	B	30
b91.5906	A2b	f	68	colon	adenocarcinoma			sigmoid	G2	3			30
b91.6176	A2c	f	76	colon	adenocarcinoma			ascending colon	G1	3	0	B	25
b91.7315	A2d	f	71	colon	adenocarcinoma			left colon	G2	2	0	A	80
b89.2801	A2e	m	62	colon	adenocarcinoma			sigmoid	G2	1	0	A	20
h87.1943	A2f	f	81	colon	adenocarcinoma			cecum	G2	3			30
b91.747	A2g	m	74	colon	adenocarcinoma			sigmoid	G2	2	0	A	40

BNr	Coordinates	Identical biopsy	sex	age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes Stage	tumor diameter
b91.8316	A2h		m	65	colon	adenocarcinoma		ascending colon	G2	2	2	C	70
b91.8864	A3a		m	79	colon	adenocarcinoma		sigmoid	G3	3	2	C	40
h86.1400	A3b		m	82	colon	mucinous carcinoma		sigmoid	G2	3	1	C	28
h86.1710	A3c				colon	adenocarcinoma			G2				
h86.1788	A3d		m	80	colon	adenocarcinoma		cecum	G2	3	0	B	44
h86.1838	A3e		f	83	colon	adenocarcinoma	mucinous, 10%	sigmoid	G2	3	0	B	39
h86.1988	A3f		m	64	colon	adenocarcinoma		descending colon	G2	3	0	B	35
h86.2116	A3g		f	49	colon	adenocarcinoma		sigmoid	G2	3	1	C	32
h87.1203	A3h		f	67	colon	adenocarcinoma		sigmoid	G2	3	0	B	60
h87.1926	A4a		m	74	colon	adenocarcinoma		sigmoid	G3	3	0	B	50
h88.1998	A4b		m	58	colon	adenocarcinoma		rectum	G2				
h88.704	A4c		m	75	colon	adenocarcinoma		rectosigmoid	G2	3	0	B	50
h89.1392	A4d	1	m	72	colon	adenocarcinoma		rectum	G2	2	0	A	41
h89.143	A4e		m	88	colon	adenocarcinoma		sigmoid	G2	3	0	B	45
h89.1771	A4f		m	73	colon	adenocarcinoma		sigmoid	G2	3	0	B	52
h89.1801	A4g		f	72	colon	adenocarcinoma		sigmoid	G2	2	0	A	25
h89.511	A4h		f	81	colon	adenocarcinoma	mucinous, 30%	sigmoid	G2	3	0	B	50

BNr	Coordinates	Identical biopsy	sex	age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes Stage	tumor diameter
h89.555	A5a		m	77	colon	adenocarcinoma		ascending colon	G2	3	1	C	30
h89.564	A5b		f	87	colon	adenocarcinoma		sigmoid	G2	3	1	C	30
h89.590	A5c	2	m	60	colon	adenocarcinoma		sigmoid	G2	3	0	B	60
h90.1349	A5d		f	65	colon	adenocarcinoma		right colon	G2	3	0	B	43
h90.2023	A5e		m	75	colon	adenocarcinoma		rectosigmoid	G2	3	1	C	60
h90.322	A5f	3			colon	adenocarcinoma	mucinous, 5%	cecum	G2	2	0	A	37
h91.1028	A5g		m	43	colon	adenocarcinoma		sigmoid	G2	3	0	B	70
h91.1311	A6a		m	78	colon	adenocarcinoma		rectum	G2	3	0	B	40
h91.1911	A6b		f	56	colon	adenocarcinoma	mucinous, 40%	cecum	G2	3	0	B	164
h91.463	A6c	4	f	76	colon	medullary carcinoma		right colon	G3	3	0	B	70
h91.601	A6d		f	81	colon	adenocarcinoma	mucinous, 10%	right colon	G2	3	1	C	60
h91.643	A6e	5	f	82	colon	medullary carcinoma		right colon	G3	3	0	B	135
h92.1	A6f		m	61	colon	adenocarcinoma		rectosigmoid	G2	2	1	C	17
h92.1007	A6g		f	79	colon	adenocarcinoma		sigmoid	G2				22
h92.1102	A7a		f	77	colon	adenocarcinoma	mucinous, 10%	transverse colon	G3	3	1	C	30
h92.1606	A7b	6	f	74	colon	adenocarcinoma		cecum	G2				
h92.236	A7c	7	f	75	colon	adenocarcinoma		rectosigmoid	G2	2	0	A	

BNr	Coordinates	Identical biopsy	sex	age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes Stage	tumor diameter
h92.283	A7d		m	76	colon	adenocarcinoma		rectum	G2	3	1	C	25
h92.384	A7e		f	60	colon	adenocarcinoma		sigmoid	G2	1			14
h92.445	A7f		f	69	colon	adenocarcinoma	mucinous, 40%	colon	G2	3	2	C	75
h93.1039	A7g	8	m	34	colon	adenocarcinoma		colon	G2	1	0	A	40
h93.1402	A8a		f	49	colon	adenocarcinoma	mucinous, 10%	rectosigmoid	G2	4	0	B	38
h93.242	A8b		f	82	colon	adenocarcinoma		right colon	G2	3	0	B	40
h93.423	A8c	9	f	81	colon	adenocarcinoma		coecum	G2		0		
h93.501	A8d	10	m	85	colon	adenocarcinoma	mucinous, 20%	rectosigmoid	G2	3	0	B	95
h93.573	A8e	11	f	78	colon	medullary carcinoma		cecum	G3	4	1	C	110
h93.656	A8f		f	90	colon	adenocarcinoma		sigmoid	G2	2	0	A	15
h93.870	A8g		f	77	colon	adenocarcinoma	mucinous, 40%	rectum	G2	3	2	C	25
h89.1392	B1a	1	m	72	colon	normal							
h90.322	B1b	3			colon	normal							
h91.1023	B1c		m	63	colon	normal							
h91.643	B2a	5	f	82	colon	normal							
h92.1606	B2b	6	f	74	colon	normal							
h92.236	B2c	7	f	75	colon	normal							
h93.1039	B3a	8	m	34	colon	normal							

BNr	Coordinates	Identical biopsy	sex	age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes Stage	tumor diameter
h93.423	B3b	9	f	81	colon	normal							
h93.501	B3c	10	m	81	colon	normal							
h93.573	B4a	11	f	78	colon	normal							
h91.1460	B4b		m	78	kidney	normal							
h93.1995	B4c		m	87	kidney	normal							
b91.7359	B5a		f	71	liver	normal							
h90.491	B5b		f	26	liver	normal							
h89.590	B6a	2	m	60	lymph node	normal							
h91.463	B6b	4	f	76	lymph node	normal							
b90.1824	B7a		m		prostate	normal							
h91.1092	B7b		m	68	prostate	normal							
h87.315	B8a		f	57	thyroid	normal							
h87.449	B8b		m	26	thyroid	normal							

TABLE 6

Coordinates	identical biopsy	Sex	Age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes stage	Tumor diameter	LN all
A 1a		f	84	colon	adenocarcinoma		cecum	G2	3	1	C	35	16
A 1b		m	79	colon	mucinous carcinoma	glandular adenocarcinoma, 35%	transverse colon	G2	3	0	B	70	10
A 1c		m	70	colon	adenocarcinoma		ascending colon	G2	2	0	A	50	16
A 1d		m	64	colon	adenocarcinoma		rectum	G2	2	0	A	25	5
A 1e		m	79	colon	adenocarcinoma		cecum	G2	3	2	C	90	9
A 1f		f	85	colon	adenocarcinoma		cecum	G2	3	0	B	35	8
A 1g		m	72	colon	mucinous carcinoma		sigmoid	G3	3				
A 1h		m	70	colon	adenocarcinoma		sigmoid	G2	3			15	
A 2a		m	57	colon	adenocarcinoma		cecum	G2	3	0	B	30	4
A 2b		f	68	colon	adenocarcinoma		sigmoid	G2	3			30	
A 2c		f	76	colon	adenocarcinoma		ascending colon	G1	3	0	B	25	7
A 2d		f	71	colon	adenocarcinoma		left colon	G2	2	0	A	80	9
A 2e		m	62	colon	adenocarcinoma		sigmoid	G2	1	0	A	20	7
A 2f		f	81	colon	adenocarcinoma		cecum	G2	3			30	

TABLE 6

Coordinates	identical biopsy	Sex	Age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes stage	Tumor diameter	LN all
A 2g		m	74	colon	adenocarcinoma		sigmoid	G2	2	0	A	40	8
A 2h		m	65	colon	adenocarcinoma		ascending colon	G2	2	2	C	70	9
A 3a		m	79	colon	adenocarcinoma		sigmoid	G3	3	2	C	40	6
A 3b		m	82	colon	mucinous carcinoma		sigmoid	G2	3	1	C	28	5
A 3c				colon	adenocarcinoma			G2					
A 3d		m	80	colon	adenocarcinoma		cecum	G2	3	0	B	44	6
A 3e		f	83	colon	adenocarcinoma	mucinous, 10%	sigmoid	G2	3	0	B	39	8
A 3f		m	64	colon	adenocarcinoma		descending colon	G2	3	0	B	35	1
A 3g		f	49	colon	adenocarcinoma		sigmoid	G2	3	1	C	32	7
A 3h		f	67	colon	adenocarcinoma		sigmoid	G2	3	0	B	60	4
A 4a		m	74	colon	adenocarcinoma		sigmoid	G3	3	0	B	50	10
A 4b		m	58	colon	adenocarcinoma		rectum	G2					
A 4c		m	75	colon	adenocarcinoma		rectosigmoid	G2	3	0	B	50	2
A 4d 1		m	72	colon	adenocarcinoma		rectum	G2	2	0	A	41	5
A 4e		m	88	colon	adenocarcinoma		sigmoid	G2	3	0	B	45	3
A 4f		m	73	colon	adenocarcinoma		sigmoid	G2	3	0	B	52	3
A 4g		f	72	colon	adenocarcinoma		sigmoid	G2	2	0	A	25	5

TABLE 6

Coordinates	identical biopsy	Sex	Age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes stage	Tumor diameter	LN all
A 4h		f	81	colon	adenocarcinoma	mucinous, 30%	sigmoid	G2	3	0	B	50	5
A 5a		m	77	colon	adenocarcinoma		ascending colon	G2	3	1	C	30	5
A 5b		f	87	colon	adenocarcinoma		sigmoid	G2	3	1	C	30	6
A 5c 2		m	60	colon	adenocarcinoma		sigmoid	G2	3	0	B	60	5
A 5d		f	65	colon	adenocarcinoma		right colon	G2	3	0	B	43	14
A 5e		m	75	colon	adenocarcinoma		rectosigmoid	G2	3	1	C	60	3
A 5f 3				colon	adenocarcinoma	mucinous, 5%	cecum	G2	2	0	A	37	6
A 5g		m	43	colon	adenocarcinoma		sigmoid	G2	3	0	B	70	9
A 6a		m	78	colon	adenocarcinoma		rectum	G2	3	0	B	40	4
A 6b		f	56	colon	adenocarcinoma	mucinous, 40%	coecum	G2	3	0	B	164	22
A 6c 4		f	76	colon	medullary carcinoma		right colon	G3	3	0	B	70	10
A 6d		f	81	colon	adenocarcinoma	mucinous, 10%	right colon	G2	3	1	C	60	5
A 6e 5		f	82	colon	medullary carcinoma		right colon	G3	3	0	B	135	5
A 6f		m	61	colon	adenocarcinoma		rectosigmoid	G2	2	1	C	17	5
A 6g		f	79	colon	adenocarcinoma		sigmoid	G2				22	
A 7a		f	77	colon	adenocarcinoma	mucinous, 10%	transverse colon	G3	3	1	C	30	2

TABLE 6

Coordinates	identical biopsy	Sex	Age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes stage	Tumor diameter	LN all
A 7b	6	f	74	colon	adenocarcinoma		cecum	G2					
A 7c	7	f	75	colon	adenocarcinoma		rectosigmoid	G2	2	0	A		9
A 7d		m	76	colon	adenocarcinoma		rectum	G2	3	1	C	25	3
A 7e		f	60	colon	adenocarcinoma		sigmoid	G2	1			14	
A 7f		f	69	colon	adenocarcinoma	mucinous, 40%	colon	G2	3	2	C	75	10
A 7g	8	m	34	colon	adenocarcinoma		colon	G2	1	0	A	40	8
A 8a		f	49	colon	adenocarcinoma	mucinous, 10%	rectosigmoid	G2	4	0	B	38	9
A 8b		f	82	colon	adenocarcinoma		right colon	G2	3	0	B	40	4
A 8c	9	f	81	colon	adenocarcinoma		coecum	G2		0			12
A 8d	10	m	85	colon	adenocarcinoma	mucinous, 20%	rectosigmoid	G2	3	0	B	95	7
A 8e	11	f	78	colon	medullary carcinoma		cecum	G3	4	1	C	110	5
A 8f		f	90	colon	adenocarcinoma		sigmoid	G2	2	0	A	15	1
A 8g		f	77	colon	adenocarcinoma	mucinous, 40%	rectum	G2	3	2	C	25	6
B 1a	1	m	72	colon	normal								
B 1b	3			colon	normal								
B 1c		m	63	colon	normal								
B 2a	5	f	82	colon	normal								

TABLE 6

Coordinates	identical biopsy	Sex	Age	Organ	Histologic diagnosis	Other tumor components	Tumor localization	Histologic grade	pT	pN	Dukes stage	Tumor diameter	LN all
B 2b	6	f	74	colon	normal								
B 2c	7	f	75	colon	normal								
B 3a	8	m	34	colon	normal								
B 3b	9	f	81	colon	normal								
B 3c	10	m	81	colon	normal								
B 4a	11	f	78	colon	normal								
B 4b		m	78	kidney	normal								
B 4c		m	87	kidney	normal								
B 5a		f	71	liver	normal								
B 5b		f	26	liver	normal								
B 6a	2	m	60	lymph node	normal								
B 6b	4	f	76	lymph node	normal								
B 7a		m		prostate	normal								
B 7b		m	68	prostate	normal								
B 8a		f	47	thyroid	normal								
B 8b		m	26	thyroid	normal								

TABLE 7

CS 200 Microarray			
colon	done	20	4
prostate	done	20	4
lung	done	20	4
breast	done	20	4
bladder	easy	20	4
melanoma	easy	20	4
basalioma	easy	20	4
endometrium	easy	20	4
spinalioma	easy	20	4
kidney	possible	20	4
ovary	possible	20	4
brain	possible	20	4
			glioblastoma
			astrocytoma grade 3 rather than 2
gastric	possible	20	4
cervix	possible	20	4
		280	56
			672
thyroid			
testis			
lymphoma			
head & neck			

TABLE 8

Localisa- tion	Coordinates	BNr	status	Pat Nr	max lesion	targeted lesion	CE1	CE2	CE3	CE4	CE5
A 1a	0/0	b91.4662	ok	1	NO	NO	NO	stroma	NO	NO	NO
A 1b	800/0	b91.4662	ok	1	NO	NO	NO	stroma	NO	INFL	INFL
A 1c	1600/0	h80.193	ok	3	CIN3	NO	NO	NO	NO	NO	NO
A 1d	2400/0	h80.193	ok	3	CIN3	NO	NO	NO	NO	NO	NO
A 1e	3200/0	h86.1081	ok	9	NO	NO	NO	NO	NO	NO	NO
A 1f	4000/0	h86.1081	ok	9	NO	NO	NO	NO	NO	NO	NO
A 1g	4800/0	h86.1227	ok	10	NO	NO	NO	first empty	first empty	first empty	NO
A 1h	5600/0	h86.1227	ok	10	NO	NO	first empty	first empty	NO	NO	NO
A 1i	6400/0	h86.1493	ok	12	CIN3	NO	NO	NO	NO	NO	NO
A 1j	7200/0	h86.1493	ok	12	CIN3	NO	NO	NO	NO	NO	NO
A 1k	8000/0	h86.1719	ok	13	NO	NO	first empty	first empty	NO	first empty	NO
A 1l	8800/0	h86.1719	ok	13	NO	NO	NO	NO	NO	first empty	first empty
A 1m	9600/0	h86.1772	ok	14	NO	NO	NO	NO	NO	NO	NO
A 1n	10400/0	h86.1772	ok	14	NO	NO	NO	NO	first empty	NO	NO
A 1o	11200/0	h87.1313	ok	15	CIN3	NO	first empty	first empty	first empty	first empty	first empty
A 1p	12000/0	h87.1313	ok	15	CIN3	NO	NO	NO	first empty	NO	NO
A 2a	0/800	h88.1257	ok	22	CIN3	NO	NO	NO	NO	NO	NO
A 2b	800/800	h88.1257	ok	22	CIN3	NO	NO	NO	NO	NO	NO
A 2c	1600/800	h88.577	ok	27	CIN3	NO	NO	NO	NO	first empty	NO
A 2d	2400/800	h88.577	ok	27	CIN3	NO	NO	NO	NO	NO	NO
A 2e	3200/800	h89.114	ok	32	CIN3	NO	NO	NO	NO	NO	NO
A 2f	4000/800	h89.114	ok	32	CIN3	NO	NO	NO	NO	NO	NO
A 2g	4800/800	h89.1806	ok	37	CIN3	NO	NO	NO	NO	NO	NO
A 2h	5600/800	h89.1806	ok	37	CIN3	NO	first empty	stroma	empty	empty	empty
A 2i	6400/800	h90.1681	ok	44	NO	NO	NO	NO	NO	NO	NO
A 2j	7200/800	h90.1681	ok	44	NO	NO	first empty	NO	NO	NO	NO

Localisa- tion	Coordinates	BNr	status	Pat Nr	max lesion	targeted lesion	CE1	CE2	CE3	CE4	CE5
A 2k	8000/800	h90.1709	ok	45	NO	NO	first empty	NO	NO	NO	NO
A 2l	8800/800	h90.1709	ok	45	NO	NO	NO	NO	NO	NO	NO
A 2m	9600/800	h90.1796	ok	46	NO	NO	NO	NO	NO	NO	INFL
A 2n	10400/800	h90.1796	ok	46	NO	NO	NO	NO	NO	NO	NO
A 2o	11200/800	h90.1850	ok	47	CIN3	NO	NO	NO	NO	NO	NO
A 2p	12000/800	h90.1850	ok	47	CIN3	NO	NO	NO	empty	empty	empty
A 3a	0/1600	h91.1044	ok	49	NO	NO	NO	NO	NO	NO	NO
A 3b	800/1600	h91.1044	ok	49	NO	NO	NO	NO	NO	NO	NO
A 3c	1600/1600	h91.1741	ok	54	CIN3	NO	NO	NO	NO	NO	NO
A 3d	2400/1600	h91.1741	ok	54	CIN3	NO	NO	NO	NO	first empty	empty
A 3e	3200/1600	h91.206	ok	57	NO	NO	stroma	NO	ENDO	NO	NO
A 3f	4000/1600	h91.206	ok	57	NO	NO	first empty	NO	stroma	NO	stroma
A 3g	4800/1600	h91.826	ok	62	CIN3	NO	stroma	CIN1	CIN1	NO	stroma
A 3h	5600/1600	h91.826	ok	62	CIN3	NO	stroma	first empty	empty	empty	empty
A 3i	6400/1600	h92.1411	ok	65	CIN3	NO	CIN1	CIN1	CIN1	CIN1	CIN1
A 3j	7200/1600	h92.1411	ok	65	CIN3	NO	CIN1	CIN1	empty	empty	empty
A 3k	8000/1600	h92.1424	ok	66	CIN2	NO	NO	NO	first empty	NO	NO
A 3l	8800/1600	h92.1424	ok	66	CIN2	NO	NO	NO	NO	NO	ENDO
A 3m	9600/1600	h92.1446	ok	67	CIN3	NO	NO	NO	NO	INFL	INFL
A 3n	10400/1600	h92.1446	ok	67	CIN3	NO	NO	NO	NO	NO	NO
A 3o	11200/1600	h92.1513	ok	68	CIN2	NO	CIN1	NO	NO	NO	empty
A 3p	12000/1600	h92.1513	ok	68	CIN2	NO	first empty	empty	empty	empty	empty
A 4a	0/2400	h92.1529	ok	69	CIN3	NO	CIN 1-2 at one edge of sample	NO	NO	CIN1	NO
A 4b	800/2400	h92.1529	ok	69	CIN3	NO	NO	NO	empty	empty	empty
A 4c	1600/2400	h92.1676	ok	72	NO	NO	stroma	NO	NO	NO	ENDO
A 4d	2400/2400	h92.1676	ok	72	NO	NO	NO	NO	NO	NO	stroma

Localisa- tion	Coordinates	BNr	status	Pat Nr	max lesion	targeted lesion	CE1	CE2	CE3	CE4	CE5
A 4e	3200/2400	h92.1758	ok	73	CIN3	NO	first empty	NO	NO	NO	NO
A 4f	4000/2400	h92.1758	ok	73	CIN3	NO	stroma	stroma	stroma	first empty	NO
A 4g	4800/2400	h91.33	ok	59	NO	NO	INFL	ENDO	NO	NO	stroma
A 4h	5600/2400	h91.33	ok	59	NO	NO	NO	NO	stroma	NO	NO
A 4i	6400/2400	h92.554	ok	78	NO	NO	NO	NO	stroma	NO	NO
A 4j	7200/2400	h92.554	ok	78	NO	NO	NO	empty	empty	empty	empty
A 4k	8000/2400	h92.604	ok	79	CIN3	NO	NO	stroma	NO	NO	CIN1
A 4l	8800/2400	h92.604	ok	79	CIN3	NO	INFL	NO	NO	NO	NO
A 4m	9600/2400	h92.792	ok	81	NO	NO	NO	NO	INFL	NO	NO
A 4n	10400/2400	h92.792	ok	81	NO	NO	NO	NO	NO	stroma	stroma
A 4o	11200/2400	h93.1016	ok	82	NO	NO	NO	stroma	NO	stroma	NO
A 4p	12000/2400	h93.1016	ok	82	NO	NO	NO	NO	NO	NO	NO
A 5a	0/3200	h93.1762	ok	85	CIN2	NO	NO	empty	NO	NO	NO
A 5b	800/3200	h93.1762	ok	85	CIN2	NO	first empty	CIN1	NO	NO	CIN1
A 5c	1600/3200	h93.219	ok	91	CIN2	NO	CIN1	CIN1	NO	CIN1	CIN1
A 5d	2400/3200	h93.219	ok	91	CIN2	NO	CIN1	NO	empty	empty	empty
A 5e	3200/3200	h93.254	ok	93	NO	NO	NO	NO	NO	NO	stroma
A 5f	4000/3200	h93.254	ok	93	NO	NO	stroma	stroma	NO	empty	empty
A 5g	4800/3200	h93.317	ok	95	NO	NO	INFL	NO	stroma	stroma	stroma
A 5h	5600/3200	h93.317	ok	95	NO	NO	INFL	NO	NO	stroma	stroma
A 5i	6400/3200	h93.364	ok	97	NO	NO	NO	NO	NO	stroma	NO
A 5j	7200/3200	h93.364	ok	97	NO	NO	empty	empty	empty	empty	empty
A 5k	8000/3200	h80.193	ok	3	CIN3	ENDO	ENDO	stroma	stroma	stroma	ENDO
A 5l	8800/3200	h89.11	ok	31	NO	ENDO	ENDO	ENDO	ENDO	ENDO	ENDO
A 5m	9600/3200	h89.114	ok	32	CIN3	ENDO	stroma	ENDO	ENDO	ENDO	ENDO
A 5n	10400/3200	h90.1681	ok	44	NO	ENDO	ENDO	ENDO	ENDO	ENDO	ENDO
A 5o	11200/3200	h90.1850	ok	47	CIN3	ENDO	ENDO	ENDO	stroma	ENDO	stroma

Localisa- tion	Coordinates	BNr	status	Pat Nr	max lesion	targeted lesion	CE1	CE2	CE3	CE4	CE5
A 5p	12000/3200	h92.1424	ok	66	CIN2	ENDO	ENDO	ENDO	ENDO	ENDO INFL	ENDO
A 6a	0/4000	h92.792	ok	81	NO	ENDO	ENDO	ENDO	ENDO	ENDO	ENDO
A 6b	800/4000	h93.2013	ok	89	CIN3	ENDO	stroma	ENDO	ENDO	ENDO	ENDO
A 6c	1600/4000	h93.219	ok	91	CIN2	ENDO	ENDO	stroma	stroma	ENDO	stroma
A 6d	2400/4000	h88.779	ok	29	CIN1	INFL ENDO	ENDO INFL	ENDO INFL	empty	empty	empty
A 6e	3200/4000	h86.1433	ok	12	squamous metaplasia	INFL	stroma	INFL	NO	INFL	stroma
A 6f	4000/4000	h91.206	ok	57	INFL	INFL	INFL	INFL	INFL	NO	INFL
A 6g	4800/4000	h81.910	ok	4	CIN3	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1
A 6h	5600/4000	h82.352	ok	5	CIN1	CIN1	CIN1	CIN1	first empty	first empty	first empty
A 6i	6400/4000	h83.704	ok	8	CIN2	CIN1	CIN1	CIN1	CIN1	empty	empty
A 6j	7200/4000	h87.932	ok	21	CIN1	CIN1	ENDO INFL	INFL	CIN1	empty	empty
A 6k	8000/4000	h88.2032	ok	25	CIN3	CIN1	CINE3	CIN1	CIN1	CIN1	empty
A 6l	8800/4000	h88.647	ok	28	CIN3	CIN1	NO	NO	first empty	CIN1	CIN1
A 6m	9600/4000	h88.779	ok	29	CIN1	CIN1	unuseful	NO	CIN1	CIN1	empty
A 6n	10400/4000	h89.1529	ok	36	CIN1	CIN1	CIN1	ENDO	CIN1	CIN1	CIN1
A 6o	11200/4000	h89.1915	ok	39	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1
A 6p	12000/4000	h91.1572	ok	52	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1
A 7a	0/4800	h91.1615	ok	53	CIN1	CIN1	CIN1	NO	CIN1	CIN1	CIN1
A 7b	800/4800	h91.1788	ok	55	CIN1	CIN1	CIN1	CIN1	CIN1	NO	CIN1
A 7c	1600/4800	h91.237	ok	58	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1
A 7d	2400/4800	h92.441	ok	76	CIN3	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1
A 7e	3200/4800	h92.731	ok	80	CIN1	CIN1	CIN1	CIN1	stroma	first empty	empty
A 7f	4000/4800	h93.1391	ok	83	CIN1	CIN1	NO	CIN1	CIN1	empty	empty
A 7g	4800/4800	h93.1600	ok	84	CIN1	CIN1	CIN1	NO	CIN1	CIN1	CIN1
A 7h	5600/4800	h93.2030	ok	90	CIN2	CIN1	NO	CIN1	CIN1	CIN1	NO
A 7i	6400/4800	h93.253	ok	92	CIN1	CIN1	CIN1	ENDO	empty	empty	empty
A 7j	7200/4800	h93.298	ok	94	CIN1	CIN1	NO	NO	NO	ENDO INFL	ENDO

Localisa- tion	Coordinates	BNr	status	Pat Nr	max lesion	targeted lesion	CE1	CE2	CE3	CE4	CE5
A 7k	8000/4800	h93.344	ok	96	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1	CIN1
A 7l	8800/4800	h93.364	ok	97	CIN1	CIN1	ENDO	ENDO	empty	empty	empty
A 7m	9600/4800	h83.494	ok	7	CIN3	CIN2	CIN3	CIN3	empty	empty	empty
A 7n	10400/4800	h87.1932	ok	16	CIN2	CIN2	CIN2	CIN2	empty	empty	empty
A 7o	11200/4800	h89.1208	ok	34	CIN2	CIN2	CIN2	ENDO	CIN2	empty	empty
A 7p	12000/4800	h89.1527	ok	35	CIN2	CIN2	CIN1	CIN1	CIN2	CIN2	empty
A 8a	0/5600	h89.1837	ok	38	CIN2	CIN2	CIN2	CIN2	CIN2	empty	empty
A 8b	800/5600	H90.1323	ok	42	CIN2	CIN2	CIN2	CIN2	NO	CIN2	NO
A 8c	1600/5600	h91.339	ok	60	CIN2	CIN2	CIN2	CIN2	CIN2	CIN2	CIN2
A 8d	2400/5600	h91.826	ok	62	CIN3	CIN2	CIN1	CIN2	ENDO	CIN2	empty
A 8e	3200/5600	h92.1357	ok	63	CIN2	CIN2	CIN1	ENDO INFL	CIN2	CIN2	empty
A 8f	4000/5600	h92.1371	ok	64	CIN2	CIN2	CIN1	CIN1	ENDO	INFL	CIN2
A 8g	4800/5600	h92.1578	ok	70	CIN3	CIN2	CIN2	CIN2	CIN2	CIN2	empty
A 8h	5600/5600	h92.458	ok	77	CIN3	CIN2	CIN2	CIN2	CIN2	CIN2	CIN2
A 8i	6400/5600	h93.1762	ok	85	CIN2	CIN2	CIN2	ENDO	CIN2	ENDO	first empty
A 8j	7200/5600	h93.219	ok	91	CIN2	CIN2	CIN2	CIN2	CIN2	stroma	INFL
A 8k	8000/5600	h87.2006	ok	17	CIN3	CIN2, INFL	stroma	stroma	ENDO	stroma	INFL
A 8l	8800/5600	H82.352	ok	5	CIN3	CIN3	CIN2	first empty	stroma	first empty	CIN3
A 8m	9600/5600	h83.2	ok	6	CIN3	CIN3	CIN3	CIN3	CIN3	CIN3	CIN3
A 8n	10400/5600	h86.1309	ok	11	CIN3	CIN3	CIN3	first empty	CIN3	CIN3	CIN3
A 8o	11200/5600	h86.1493	ok	12	CIN3	CIN3	CIN3	stroma	ENDO	CIN3	BN
A 8po	12000/5600	h87.1313	ok	15	CIN3	CIN3	CIN3	CIN3	CIN3	CIN3	CIN3
A 9a	0/6400	h87.465	ok	20	CIN3	CIN3	CIN3	CIN3	CIN3	CIN2	CIN2
A 9b	800/6400	h88.1257	ok	22	CIN3	CIN3	CIN3	CIN3	CIN3	CIN3	CIN3
A 9c	1600/6400	h88.1739	ok	24	CIN3	CIN3	CIN3	empty	empty	empty	empty
A 9d	2400/6400	h88.2032	ok	25	CIN3	CIN3	CIN3	CIN3	empty	empty	empty
A 9e	3200/6400	h88.451	ok	26	CIN3	CIN3	CIN3	CIN3	CIN3	empty	empty

Localisa- tion	Coordinates	BNr	status	Pat Nr	max lesion	targeted lesion	CE1	CE2	CE3	CE4	CE5
A 9f	4000/6400	h88.577	ok	27	CIN3	CIN3	CIN3	CIN3	small CIN3	CIN3	CIN3
A 9g	4800/6400	h89.114	ok	32	CIN3	CIN3	stroma	CIN3	CIN3	ENDO	empty
A 9h	5600/6400	h89.1172	ok	33	CIN3	CIN3	stroma	stroma	ENDO	CIN3	ENDO
A 9i	6400/6400	h89.608	ok	41	CIN3	CIN3	ENDO	INFL	INFL	stroma	ENDO
A 9j	7200/6400	h90.1471	ok	43	CIN3	CIN3	CIN3	CIN3	empty	empty	empty
A 9k	8000/6400	h90.1850	ok	47	CIN3	CIN3	CIN3	CIN3	CIN3	CIN3	empty
A 9l	8800/6400	h91.1741	ok	54	CIN3	CIN3	CIN3	CIN2	CIN1	empty	empty
A 9m	9600/6400	h91.1904	ok	56	CIN3	CIN3	NO	CIN1	CIN1	empty	empty
A 9n	10400/6400	h92.1411	ok	65	CIN3	CIN3	ENDO INFL	CIN1	CIN1	empty	empty
A 9o	11200/6400	h92.1446	ok	67	CIN3	CIN3	INFL	unclassifiable	CIN1	CIN3	CIN3
A 9p	12000/6400	h92.1513	ok	68	CIN2	CIN3	ENDO	ENDO	ENDO	CIN2	empty
B 1a	0/0	h92.1529	ok	69	CIN3	CIN3	CIN3	ENDO	CIN3	CIN3	CIN3
B 1b	800/0	h92.1639	ok	71	CIN2	CIN3	CIN3	CIN3	CIN3	unclassifiable	stroma
B 1c	1600/0	h92.1758	ok	73	CIN3	CIN3	ENDO	CIN3	CIN3	empty	empty
B 1d	2400/0	h92.1916	ok	74	CIN3	CIN3	first empty	CIN3	CIN3	empty	empty
B 1e	3200/0	h92.318	ok	75	CIN3	CIN3	CIN3	CIN3	CIN3	CIN1	first empty
B 1f	4000/0	h92.604	ok	79	CIN3	CIN3	unclassifiable	CIN3	CIN3	empty	empty
B 1g	4800/0	h93.1777	ok	86	CIN3	CIN3	CIN1	stroma	CIN1	empty	empty
B 1h	5600/0	h93.1810	ok	87	CIN3	CIN3	ENDO INFL	CIN3	CIN3	INFL	ENDO
B 1i	6400/0	h93.2013	ok	89	CIN3	CIN3	ENDO	ENDO	first empty	ENDO	empty
B 1j	7200/0	h93.2030	ok	90	CIN2	CIN3	CIN3	CIN3	CIN3	CIN3	unclassifiable
B 1k	8000/0	h81.910	ok	4	CA	CA	CIN1	CA	CIN3	empty	empty
B 1l	8800/0	h81.910	ok	4	CA	CA	empty	empty	empty	empty	empty
B 1m	9600/0	h88.934	ok	30	CA	CA	CA	CA	CA	CA	CA
B 1n	10400/0	h88.934	ok	30	CA	CA	CA	CA	CA	CA	CA
B 1o	11200/0	h91.1460		51	normal control	kidney	kidney	kidney	kidney	kidney	kid
B 1p	12000/0	h93.1995		88	normal control	kidney	kidney	kidney	kidney	kidney	kid

Localisa- tion	Coordinates	BNr	status	Pat Nr	max lesion	targeted lesion	CE1	CE2	CE3	CE4	CE5
B 2a	0/800	b91.7359		2	normal control	liver	liver	liver	liver	liver	liver
B 2b	800/800	h90.491		48	normal control	liver	liver	liver	liver	liver	liver
B 2c	1600/800	h89.590		40	normal control	lymph node	lymph node	lymph node	lymph node	lymph node	lymph node
B 2d	2400/800	h91.463		61	normal control	lymph node	lymph node	lymph node	lymph node	lymph node	lymph node
B 2e	3200/800	h88.1377		23	normal control	prostate	prostate	prostate	prostate	prostate	prostate
B 2f	4000/800	h91.1092		50	normal control	prostate	prostate	prostate	prostate	prostate	prostate
B 2g	4800/800	h87.315		18	normal control	thyroid	thyroid	thyroid	thyroid	thyroid	thyroid
B 2h	5600/800	h87.449		19	normal control	thyroid	thyroid	thyroid	thyroid	thyroid	thyroid

Table 9

Coordinates	Organ	Histologic tumor type	sex	age	BRE grade	Tubuli	Polymorphy	Mitoses	pT	pN	LN pos	LN all	Tumor diameter	surgery
A 1a	breast	breast cancer, ductal	f	67	G2	3	2	1	1	0	0	23	15	mastectomy
A 1b	breast	breast cancer, ductal	f	42	G3	3	3	2	1	1	10	17	40	lumpectomy
A 1c	breast	breast cancer, ductal	f	71	G2	3	2	1	1	0	0	8	8	mastectomy
A 1d	breast	breast cancer, ductal	f	65	G2	3	2	1	2	1	20	20	45	mastectomy
A 1e	breast	breast cancer, lobular	f	54	G2	3	2	1	2	1	8	16	30	lumpectomy
A 1f	breast	breast cancer, ductal	f	62	G2	3	2	1	2	0	0	14	30	mastectomy
A 1g	breast	breast cancer, ductal	f	92	G3	3	3	2	2				40	mastectomy
A 1h	breast	breast cancer, ductal	f	48	G2	3	3	1	2	0	0	19	35	mastectomy
A 2a	breast	breast cancer, ductal	f	31	G2	3	2	1	2	1	3	20	25	mastectomy
A 2b	breast	breast cancer, ductal	f	67	G1	1	2	1	1	0	0	20	10	mastectomy
A 2c	breast	breast cancer, ductal	f	49	G2	3	2	1	2	1	6	18	23	mastectomy
A 2d	breast	breast cancer, ductal	f	80	G2	3	2	1	1	0	0	1	20	mastectomy
A 2e	breast	breast cancer, ductal	f	69	G2	3	2	1	3	0	0	3	55	mastectomy
A 2f	breast	breast cancer, ductal	f	61	G2	3	2	1	1	0	0	10	20	mastectomy
A 2g	breast	breast cancer, ductal	f	39	G3	3	3	2	1	1	5	19	15	mastectomy
A 2h	breast	breast cancer, ductal	f	33	G3	3	3	3	2				30	lumpectomy

Table 9

Coordinates	Organ	Histologic tumor type	sex	age	BRE grade	Tubuli	Polymorphy	Mitoses	pT	pN	LN pos	LN all	Tumor diameter	surgery
A 3a	breast	breast cancer, ductal	f		G3	2	3	3	2				40	mastectomy
A 3b	breast	breast cancer, ductal	f	80	G2	2	3	1	4				65	mastectomy
A 3c	breast	breast cancer, ductal	f	62	G2	3	2	1	1	1	2	21	15	lumpectomy
A 3d	breast	breast cancer, ductal	f	80	G3	3	3	2	1	1	3	5	15	mastectomy
A 3e	breast	breast cancer, ductal	f	60	G3	3	3	2	2	1	3	9	45	mastectomy
A 3f	breast	breast cancer, lobular	f	75	G2	3	2	1	3	1	9	11	70	mastectomy
A 3g	breast	breast cancer, ductal	f	68	G1	2	2	1						lumpectomy
A 3h	breast	breast cancer, ductal	f	65	G2	2	3	1	4				85	lumpectomy
A 4a	breast	breast cancer, cribriform	f		G1	1	2	1	2				29	
A 4b	breast	breast cancer, ductal	f	72	G1	2	2	1	2				30	lumpectomy
A 4c	breast	breast cancer, ductal	f	46	G2	3	3	1	1				15	lumpectomy
A 4d	breast	breast cancer, mucinous	f		G1	2	1	1						
A 4e	breast	breast cancer, ductal	f	87	G3	3	3	2						lumpectomy
A 4f	breast	breast cancer, ductal	f	44	G3	3	3	3	1				20	lumpectomy
A 4g	breast	breast cancer, ductal	f	69	G1	1	2	1		0	0	14		mastectomy
A 4h	breast	breast cancer, ductal	f	88	G2	3	2	2	1				7	lumpectomy

Table 9

Coordinates	Organ	Histologic tumor type	sex	age	BRE grade	Tubuli	Polymorphy	Mitoses	pT	pN	LN pos	LN all	Tumor diameter	surgery
A 5a	breast	breast cancer, ductal	f	76	G2	3	2	1	1				10	lumpectomy
A 5b	breast	breast cancer, ductal	f		G3	3	3	2	2				25	lumpectomy
A 5c	breast	breast cancer, lobular	f	78	G2	3	2	1	2				25	lumpectomy
A 5d	breast	breast cancer, metaplastic (adenosquamous)	f		G3	3	3	2	1				20	lumpectomy
A 5e	breast	breast cancer, lobular	f	66	G2	3	2	1						mastectomy
A 5f	breast	breast cancer, cribriform.	f	69	G1	1	2	1	1			9		lumpectomy
A 5g	breast	breast cancer, ductal	f	47	G2	2	3	1	4	1	1	7		mastectomy
A 6a	breast	breast cancer, ductal	f	70	G3	3	3	3	2	0	0	12	27	lumpectomy
A 6b	breast	breast cancer, ductal	f	84	G3	3	2	3						lumpectomy
A 6c	breast	breast cancer, ductal	f	53	G3	3	3	2	1	1	4	13	20	lumpectomy
A 6d	breast	breast cancer, ductal	f	43	G3	3	3	3	4	1	3	14	45	lumpectomy
A 6e	breast	breast cancer, ductal	f	78	G3	3	3	3	2					lumpectomy
A 6f	breast	breast cancer, ductal	f	54	G1	2	2	1	1				18	lumpectomy
A 6g	breast	breast cancer, ductal	f	79	G2	3	3	1	2				31	lumpectomy
A 7a	breast	breast cancer, ductal	f	67	G1	2	2	1	1	1	3	9	15	lumpectomy

Table 9

Coordinates	Organ	Histologic tumor type	sex	age	BRE grade	Tubuli	Polymorphy	Mitoses	pT	pN	LN pos	LN all	Tumor diameter	surgery
A 7b	breast	breast cancer, ductal	f	77	G1	2	2	1	4				30	lumpectomy
A 7c	breast	breast cancer, ductal	f	66	G2	3	2	1	2				30	lumpectomy
A 7d	breast	breast cancer, ductal	f		G2	3	3	1	2				30	
A 7e	breast	breast cancer, ductal	f	77	G2	3	2	1		1	1	24		mastectomy
A 7f	breast	breast cancer, ductal	f	50	G2	3	2	2	1			15		lumpectomy
A 7g	breast	breast cancer, medullary	f	61	G3	3	3	3	1			19		lumpectomy
A 8a	breast	breast cancer, tubular	f	69	G1	1	2	1	2			23		lumpectomy
A 8b	breast	breast cancer, ductal	f	53	G3	5	2	2	2	1	3	14	40	mastectomy
A 8c	breast	breast cancer, ductal	f	81	G3	3	3	2	2	0	0	2	30	mastectomy
A 8d	breast	breast cancer, ductal	f		G2	3	2	1	2			22		lumpectomy
A 8e	breast	breast cancer, lobular	f	64	G2	3	2	1	1			20		lumpectomy
A 8f	breast	breast cancer, lobular	f	68	G2	3	2	1	2	1	17	21	25	lumpectomy
A 8g	breast	breast cancer, ductal	f	57	G2	3	3	1		1	3	30		mastectomy
B 1a	breast	fibroadenoma	f	22										
B 1b	breast	fibroadenoma	f	29										
B 1c	salivary gland, normal		m	52										

Table 9

Coordinates	Organ	Histologic tumor type	sex	age	BRE grade	Tubuli	Polymorphy	Mitoses	pT	pN	LN pos	LN all	Tumor diameter	surgery
	parotis													
B 2a	salivary gland, submandibular	normal	f	31										
B 2b	colon	normal	m	72										
B 2c	colon	normal	f	59										
B 3a	seminal vesicle	normal	m	68										
B 3b	seminal vesicle	normal	m	60										
B 3c	tonsil	normal	f	17										
B 4a	tonsil	normal	f	18										
B 4b	kidney	normal	m	78										
B 4c	kidney	normal	m	87										
B 5a	liver	normal	f	71										
B 5b	liver	normal	f	26										
B 6a	lymph node	normal	m	60										
B 6b	lymph node	normal	f	76										
B 7a	prostate	normal	m											
B 7b	prostate	normal	m	68										

Table 9

Coordinates	Organ	Histologic tumor type	sex	age	BRE grade	Tubuli	Polymorphy	Mitoses	pT	pN	LN pos	LN all	Tumor diameter	surgery
B 8a	thyroid	normal	f	47										
B 8b	thyroid	normal	m	26										

TABLE 10

Coordinates	identical biopsy	age	sex	Organ	Histologic diagnosis	tissue represented, lot 1	underlying disease	material
A 1a		47	f	thyroid	normal	ok	adenoma	biopsy
A 1b		26	m	thyroid	normal	ok	adenoma	biopsy
A 1c	1	65	m	thyroid	normal	ok	adenoma	biopsy
A 1d	1	65	m	thyroid	normal	ok	adenoma	biopsy
A 1e		32	f	adrenal gland	normal	ok	trauma	autopsy, 3 hrs.
A 1f		41	m	adrenal gland	normal	ok	trauma	autopsy, 5 hrs.
A 1g		37	m	adrenal gland	normal	ok	trauma	autopsy, 4 hrs.
A 1h		74	m	adrenal gland	normal	ok	kidney cancer	biopsy
A 2a		28	f	placenta, third trimenon	normal	ok		biopsy
A 2b		29	f	placenta, third trimenon	normal	ok		biopsy
A 2c		32	f	placenta, third trimenon	normal	ok		biopsy
A 2d		29	f	placenta, third trimenon	normal	ok		biopsy

TABLE 10

Coordinates	identical biopsy	age	sex	Organ	Histologic diagnosis	tissue represented, lot 1	underlying disease	material
A 2e		25	m	tonsil	normal	ok	chronic tonsillitis	biopsy
A 2f		18	f	tonsil	normal	ok	chronic tonsillitis	biopsy
A 2g		17	f	tonsil	normal	ok	chronic tonsillitis	biopsy
A 2h		34	m	tonsil	normal	ok	chronic tonsillitis	biopsy
A 3a		16	m	lymph node	normal	ok	cholecystitis	biopsy
A 3b				lymph node	normal	ok	gastric cancer	biopsy
A 3c		62	f	lymph node	normal	ok	breast cancer	biopsy
A 3d		54	f	lymph node	normal	ok	breast cancer	biopsy
A 3e		21	f	spleen	normal	ok	trauma	biopsy
A 3f		43	m	spleen	normal	ok	old hematoma	biopsy
A 3g		74	f	spleen	normal	ok	hyperplasia	biopsy
A 3h		26	f	spleen	normal	ok	Hodgkin disease	biopsy
A 4a		32	f	heart	normal	ok	trauma	autopsy, 3 hrs.
A 4b		41	m	heart	normal	ok	trauma	autopsy, 5 hrs.
A 4c	2	37	m	heart	normal	ok	trauma	autopsy, 4 hrs.
A 4d	2	37	m	heart	normal	ok	trauma	autopsy, 4 hrs.
A 4e		27	m	skeletal muscle	normal	ok	Seminoma	biopsy

TABLE 10

Coordinates	identical biopsy	age	sex	Organ	Histologic diagnosis	tissue represented, lot 1	underlying disease	material
A 4f		43	m	skeletal muscle	normal	ok	hernia	biopsy
A 4g		67	m	skeletal muscle	normal	ok	eyelid resection	biopsy
A 4h		31	f	skeletal muscle	normal	ok	thyroid cancer	biopsy
A 5a		74	f	liver	normal	ok	mild non-specific portal triaditis	biopsy
A 5b		85	m	liver	normal	ok	colon cancer, metastatic	biopsy
A 5c		71	m	liver	mild chronic inflammation	ok	cholecystitis	biopsy
A 5d		26	f	liver	normal	mild chronic inflammation	Hodgkin disease	biopsy
A 5e 3		32	f	pancreas	normal	ok	trauma	autopsy, 3 hrs.
A 5f 4		41	m	pancreas	normal	ok	trauma	autopsy, 5 hrs.
A 5g 3		32	f	pancreas	normal	ok	trauma	autopsy, 3 hrs.
A 6a 4		41	m	pancreas	normal	ok	trauma	autopsy, 5 hrs.
A 6b		44	f	ovary, stroma	normal	ok	abnormal bleedings	biopsy
A 6c				ovary, stroma	normal	ok	carcinoma in situ cervix	biopsy

TABLE 10

Coordinates	identical biopsy	age	sex	Organ	Histologic diagnosis	tissue represented, lot 1	underlying disease	material
A 6d		47	f	ovary, stroma	normal	ok	hysterectomy	biopsy
A 6e		47	f	ovary, stroma	normal	ok	myoma uterus	biopsy
A 6f		30	f	myometrium	normal	ok	pelvic pain	biopsy
A 6g		45	f	myometrium	normal	ok	menometrorrhagia	biopsy
A 7a		49	f	myometrium	normal	ok	endometrium cancer	biopsy
A 7b				myometrium	normal	ok	carcinoma in situ cervix	biopsy
A 7c		31	f	endo sekr	normal	ok	prolaps	biopsy
A 7d		39	f	endo sekr	normal	ok	prolaps	biopsy
A 7e		32	f	endo sekr	normal	ok	carcinoma in situ cervix	biopsy
A 7f				endo sekr	normal	ok	carcinoma in situ cervix	biopsy
A 7g		74	m	kidney cortex	normal	ok	kidney cancer	biopsy
A 8a		78	m	kidney cortex	normal	ok	transitional cell carcinoma	biopsy
A 8b		88	m	kidney cortex	normal	ok	kidney cancer	biopsy
A 8c		87	m	kidney cortex	normal	ok	transitional cell carcinoma	biopsy

TABLE 10

Coordinates	identical biopsy	age	sex	Organ	Histologic diagnosis	tissue represented, lot 1	underlying disease	material
A 8d			m	prostate	normal	ok	BPH	biopsy
A 8e		68	m	prostate	normal	ok	prostate cancer	biopsy
A 8f		86	m	prostate	normal	ok	BPH	biopsy
A 8g		58	m	prostate	normal	ok	BPH	biopsy
B 1a		60	m	seminal vesicle	normal	ok	prostate cancer	biopsy
B 1b		63	m	seminal vesicle	normal	ok	prostate cancer	biopsy
B 1c		68	m	seminal vesicle	normal	ok	prostate cancer	biopsy
B 2a		65	m	seminal vesicle	normal	no epithelium	prostate cancer	biopsy
B 2b		77	m	testis	decreased spermiogenesis	ok	prostate cancer	biopsy
B 2c		87	m	testis	decreased spermiogenesis	ok	prostate cancer	biopsy
B 3a		86	m	testis	normal	ok	prostate cancer	biopsy
B 3b		73	m	testis	normal	ok	prostate cancer	biopsy
B 3c		74	f	lung	normal	ok	lung cancer	biopsy
B 4a		62	m	lung	normal	ok	lung cancer	biopsy

TABLE 10

Coordinates	identical biopsy	age	sex	Organ	Histologic diagnosis	tissue represented, lot 1	underlying disease	material
B 4b		68	f	lung	normal	ok	lung cancer	biopsy
B 4c		69	f	lung	normal	ok	lung cancer	biopsy
B 5a		41	m	cerebellum	normal	ok	trauma	autopsy, 5 hrs.
B 5b		33	f	cerebellum	normal	ok	trauma	autopsy, <10 hrs.
B 6a	5	37	m	cerebellum	normal	ok	trauma	autopsy, 4 hrs.
B 6b	5	37	m	cerebellum	normal	ok	trauma	autopsy, 4 hrs.
B 7a		32	f	cerebrum	normal	ok	trauma	autopsy, 3 hrs.
B 7b		41	m	cerebrum	normal	ok	trauma	autopsy, 5 hrs.
B 8a		33	f	cerebrum	normal	ok	trauma	autopsy, <10 hrs.
B 8b		37	m	cerebrum	normal	ok	trauma	autopsy, 4 hrs.

Table 11

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A1a	1	47	F	Thyroid	Adenoma	Normal	Ok	Biopsy
A1b	1	47	F	Thyroid	Thyroid cancer	Normal	Ok	Biopsy
A1c	1	47	F	Thyroid	Adenoma	Normal	Ok	Biopsy
A1d	1	47	F	Thyroid	Adenoma	Normal	Ok	Biopsy
A1e	2	26	M	Thyroid	Adenoma	Normal	Ok	Biopsy
A1f	2	26	M	Thyroid	Adenoma	Normal	Ok	Biopsy
A1g	2	26	M	Thyroid	Adenoma	Normal	Ok	Biopsy
A1h	3	65	M	Thyroid	Adenoma	Normal	Ok	Biopsy
A1i	3	65	M	Thyroid	Adenoma	Normal	Ok	Biopsy
A1j	3	65	M	Thyroid	Adenoma	Normal	Ok	Biopsy
A1k	4	32	F	Adrenal gland	Depression, trauma	Normal	Ok	Biopsy
A1l	4	32	F	Adrenal gland	Depression, trauma	Normal	Ok	Autopsy, 3h
A1m	4	32	F	Adrenal gland	Depression, trauma	Normal	Ok	Autopsy, 3h
A1n	5	41	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 3h
A1o	5	41	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 5h
A1p	5	41	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 5h
A2a	6	37	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 4h
A2b	6	37	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 4h
A2c	7	74	M	Adrenal gland	Trauma	Normal	Ok	Autopsy, 4h
A2d	7	74	M	Adrenal gland	Clear cell RCC	Normal	Few epithelial cells	Biopsy
A2e	12	28	F	Placenta, third trimester	Clear cell RCC	Normal	Ok	Biopsy
A2f	12	28	F	Placenta, third trimester	Rapid labor	Normal	Ok	Biopsy
A2g	12	28	F	Placenta, third trimester	Rapid labor	Normal	Ok	Biopsy
A2h	13	29	F	Placenta, third trimester	Rapid labor	Normal	Ok	Biopsy
A2i	13	29	F	Placenta, third trimester	Prolonged labor	Normal	Ok	Biopsy
A2j	13	29	F	Placenta, third trimester	Prolonged labor	Normal	Ok	Biopsy
A2k	14	32	F	Placenta, third trimester	Prolonged labor	Normal	Ok	Biopsy
A2l	14	32	F	Placenta, third trimester	Prolonged labor	Normal	Ok	Biopsy
A2m	15	29	F	Placenta, third trimester	Full term pregnancy	Normal	Ok	Biopsy
A2n	15	29	F	Placenta, third trimester	Full term pregnancy	Normal	Ok	Biopsy
A2o	16	25	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A2p	17	18	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3a	18	17	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3b	18	17	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3c	19	22	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3d	19	22	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A3e	20	42	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3f	20	42	F	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3g	21	34	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3h	21	34	M	Tonsil	Chronic tonsillitis	Normal	Ok	Biopsy
A3i	22	16	M	Lymph node	Normal	Normal	Ok	Biopsy
A3j	22	16	M	Lymph node	Normal	Normal	Ok	Biopsy
A3k	23	76	M	Lymph node	Gastric cancer	Normal	Ok	Biopsy
A3l	23	76	M	Lymph node	Gastric cancer	Normal	Ok	Biopsy
A3m	24	62	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A3n	24	62	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A3o	24	62	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A3p	25	54	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A4a	25	54	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A4b	25	54	F	Lymph node	Breast cancer	Normal	Ok	Biopsy
A4c	26	32	F	Spleen	Breast cancer	Normal	Ok	Biopsy
A4d	26	32	F	Spleen	Depression trauma	Normal	Ok	Autopsy, 3h
A4e	27	21	F	Spleen	Depression, trauma	Normal	Ok	Autopsy, 3h
A4f	27	21	F	Spleen	Trauma	Normal	Ok	Biopsy
A4g	28	43	M	Spleen	Trauma	Normal	Ok	Biopsy
A4h	28	43	M	Spleen	Old hematoma	Normal	Ok	Biopsy
A4i	29	74	F	Spleen	Old hematoma	Normal	Ok	Biopsy
A4j	29			Spleen	Richtig	Normal	Ok	Biopsy
A4k	30	26	F	Spleen	Hodgkin disease	Normal	Ok	Biopsy
A4l	30	26	F	Spleen	Hodgkin disease	Normal	Ok	Biopsy
A4m	31	68	F	Skin	Breast cancer	Normal	Ok	Biopsy
A4n	31	68	F	Skin	Breast cancer	Normal	Ok	Biopsy
A4o	32	44	F	Skin	Breast cancer	Normal	Ok	Biopsy
A4p	32	44	F	Skin	Breast cancer	Normal	Ok	Biopsy
A5a	33	53	F	Skin	Breast cancer	Normal	Ok	Biopsy
A5b	33	53	F	Skin	Breast cancer	Normal	Ok	Biopsy
A5c	33	53	F	Skin	Breast cancer	Normal	Ok	Biopsy
A5d	34	57	F	Skin	Breast cancer	Normal	Ok	Biopsy
A5e	34	57	F	Skin	Breast cancer	Normal	Ok	Biopsy
A5f	34	57	F	Skin	Breast cancer	Normal	Ok	Biopsy
A5g	35	32	F	Heart	Breast cancer	Normal	Ok	Biopsy
A5h	35	32	F	Heart	Depression, trauma	Normal	Ok	Autopsy, 3h
A5i	35	32	F	Heart	Depression, trauma	Normal	Ok	Autopsy, 3h
A5j	36	41	M	Heart	Depression, trauma	Normal	Ok	Autopsy, 5h
A5k	36	41	M	Heart	Trauma	Normal	Ok	Autopsy, 5h

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A5l	36	41	M	Heart	Trauma	Normal	Ok	Autopsy, 5h
A5m	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5n	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5o	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5r	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A6a	38	25	M	Skeletal muscle	Tonsillitis chronica	Normal	Ok	Autopsy, 4h
A6b	39	27	M	Skeletal muscle	Seminoma	Normal	Ok	Biopsy
A6c	40	22	M	Skeletal muscle	Chronic tonsillitis	Normal	Ok	Biopsy
A6d	41	43	M	Skeletal muscle	Hernia	Normal	Ok	Biopsy
A6e	42	67	M	Skeletal muscle	Eyid resection	Normal	Ok	Biopsy
A6f	42	67	M	Skeletal muscle	Eyid resection	Normal	Ok	Biopsy
A6g	44	31	F	Skeletal muscle	Thyroid cancer	Normal	Bleeding, no muscle	Biopsy
A6h	45			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6i	46			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6j	46			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6k	47	75	F	Smooth muscle, intestine	Gastric ulcer	Normal	Ok	Biopsy
A6l	48	68	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6m	49	91	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6n	49	91	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6o	50	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6p	50	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A7a	51	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A7b	51	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7c	52	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7d	52	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7e	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Lipomatous tissue	Biopsy
A7f	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Intestinal metaplasia	Biopsy
A7g	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Ok	Biopsy
A7h	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Chronic inflammation	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A7i	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Chronic inflammation	Biopsy
A7j	54	68	M	Stomach, antrum	Gastric cancer	Normal	Chronic inflammation	Biopsy
A7k	54	68	M	Stomach, antrum	Gastric cancer	Normal	Chronic inflammation	Biopsy
A7l	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7m	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7n	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7o	56	68	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A7p	56	68	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8a	57	76	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8b	57	76	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8c	58	47	F	Stomach, corpus	Reflux esophagitis	Normal	Ok	Biopsy
A8d	58	47	F	Stomach, corpus	Reflux esophagitis	Normal	Ok	Biopsy
A8e	59	76	F	Stomach, corpus	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8f	59	76	F	Stomach, corpus	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8g	60	90	F	Stomach, corpus	Duodenal ulcer	Normal	No epithelial cells	Biopsy
A8h	60	90	F	Stomach, corpus	Duodenal ulcer	Normal	Ok	Biopsy
A8i	55	75	F	Duodenum	Gastric cancer	Normal	Ok	Biopsy
A8j	55	75	F	Duodenum	Gastric cancer	Normal	Ok	Biopsy
A8k	61	81	F	Duodenum	Colon cancer	Normal	Ok	Biopsy
A8l	61	81	F	Duodenum	Colon cancer	Normal	Ok	Biopsy
A8m	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8n	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8o	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8p	63	90	F	Duodenum	Duodenal ulcer	Normal	No epithelial cells	Biopsy
A9a	63	90	F	Duodenum	Duodenal ulcer	Normal	Ok	Biopsy
A9b	63	90	F	Duodenum	Duodenal ulcer	Normal	Ok	Biopsy
A9c	64	66	F	ileum	Colon cancer	Normal	Ok	Biopsy
A9d	65	79	M	ileum	Colon cancer	Normal	Ok	Biopsy
A9e	66	72	M	ileum	Colon cancer	Normal	Ok	Biopsy
A9f	67	57	M	ileum	Colon cancer	Normal	Ok	Biopsy
A9g	68	72	M	ileum	Colon cancer	Normal	Ok	Biopsy
A9h	68	72	M	ileum	Colon cancer	Normal	Ok	Biopsy
A9i	69	85	M	ileum	Colon cancer	Normal	Ok	Biopsy
A9j	69	85	M	ileum	Colon cancer	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A9k	70	82	F	Ileum	Colon cancer	Normal	Ok	Biopsy
A9l	70	82	F	Ileum	Colon cancer	Normal	Ok	Biopsy
A9m	71	79	M	Colon	Colon cancer	Normal	Ok	Biopsy
A9n	71	79	M	Colon	Colon cancer	Normal	Ok	Biopsy
A9o	72	85	F	Colon	Colon cancer	Normal	Ok	Biopsy
A9p	72	85	F	Colon	Colon cancer	Normal	No epithelial cells	Biopsy
B1a	73	72	M	Colon	Colon adenoma	Normal	Ok	Biopsy
B1b	73	72	M	Colon	Colon adenoma	Normal	Ok	Biopsy
B1c	74	57	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1d	74	57	M	Colon	Colon cancer	Normal	Sample missing on first section	Biopsy
B1e	75	85	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1f	75	85	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1g	76	72	M	Colon	Colon adenoma	Normal	Ok	Biopsy
B1h	77	57	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1i	77	57	M	Appendix	Colon cancer	Normal	Only smooth muscle	Biopsy
B1j	78	25	F	Appendix	Idiopathic megacolon	Normal	Connective tissue	Biopsy
B1k	79	85	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1l	79	85	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1m	80	32	F	Appendix	Uterus endometriosis	Normal	Ok	Biopsy
B1n	80	32	F	Appendix	Uterus endometriosis	Normal	Debris	Biopsy
B1o	81	88	M	Appendix	Uterus endometriosis	Normal	Ok	Biopsy
B1p	81	88	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B2a	82	78	M	Gall bladder	Colon cancer	Normal	Ok	Biopsy
B2b	82	78	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2c	83	16	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2d	83	16	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2e	84	56	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2f	84	56	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2g	85	54	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2h	85	54	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2i	86			Gall bladder	Normal	Normal	Ok	Biopsy
B2j	86			Gall bladder	Normal	Normal	Ok	Biopsy
B2k	87	74	F	Liver	Mild non-specific portal triaditis	Normal	Ok	Biopsy
B2l	87	74	F	Liver	Mild non-specific portal triaditis	Normal	Ok	Biopsy
B2m	88	85	M	Liver	Colon cancer, metastatic	Normal	Ok	Biopsy
B2n	88	85	M	Liver	Colon cancer, metastatic	Normal	Ok	Biopsy
B2o	89	71	M	Liver	Cholecystitis	Normal	Ok	Biopsy
B2p	89	71	M	Liver	Cholecystitis	Normal	Inflammation	Biopsy
B3a	89	71	M	Liver	Cholecystitis	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B3b	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3c	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3d	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3e	93			Pancreas		Normal	Ok	Autopsy, <12h
B3f	93			Pancreas		Normal	Ok	Autopsy, <12h
B3g	93			Pancreas		Normal	Ok	Autopsy, <12h
B3h	93			Pancreas		Normal	Ok	Autopsy, <12h
B3i	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3j	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3k	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3l	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3m	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3n	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3o	94	31	M	Submandibular gland	Sialadenitis other area (behind stone)	Normal	Ok	Biopsy
B3p	94	31	M	Submandibular gland	Sialadenitis other area (behind stone)	Normal	Ok	Biopsy
B4a	94	31	M	Submandibular gland	Sialadenitis other area (behind stone)	Normal	Ok	Biopsy
B4b	95	62	F	Submandibular gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4c	95	62	F	Submandibular gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4d	95	62	F	Submandibular gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4e	96	31	F	Submandibular gland	Thyroid cancer	Normal	Ok	Biopsy
B4f	96	31	F	Submandibular gland	Thyroid cancer	Normal	Ok	Biopsy
B4g	96	31	F	Submandibular gland	Thyroid cancer	Normal	Ok	Biopsy
B4h	96	31	F	Submandibular gland	Thyroid cancer	Normal	Ok	Biopsy
B4i	100	44	F	Ovary, stroma	Abnormal bleedings	Normal	Ok	Biopsy
B4j	98		F	Ovary, stroma	CIS cervix	Normal	Fallopian tube	Biopsy
B4k	99	45	F	Ovary, stroma	Menometrorrhagia	Normal	Ok	Biopsy
B4l	100	44	F	Ovary, stroma	Abnormal bleedings	Normal	Ok	Biopsy
B4m	101	45	F	Ovary, stroma	Myoma uterus	Normal	Ok	Biopsy
B4n	98		F	Ovary, stroma	CIS cervix	Normal	Ok	Biopsy
B4o	102	47	F	Ovary, stroma	Hysterectomy	Normal	Sample missing on first section	Biopsy
B4p	102	47	F	Ovary, stroma	Hysterectomy	Normal	Ok	Biopsy
B5a	103	47	F	Ovary, stroma	Myoma uterus	Normal	Ok	Biopsy
B5b	103	47	F	Ovary, stroma	Myoma uterus	Normal	Ok	Biopsy
B5c	100	44	F	Ovary, corpus luteum	Abnormal bleedings	Normal	Ok	Biopsy
B5d	105	32	F	Ovary, corpus luteum	Endometriosis uterus	Normal	Ok	Biopsy
B5e	106	45	F	Ovary, corpus luteum	Menometrorrhagia	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B5f	106	45	F	Ovary, corpus luteum	Menometrorrhagia	Normal	Ok	Biopsy
B5g	107	44	F	Ovary, corpus luteum	Abnormal bleedings	Normal	Ok	Biopsy
B5h	107	44	F	Ovary, corpus luteum	Abnormal bleedings	Normal	Ok	Biopsy
B5i	108	45	F	Ovary, corpus luteum	Myoma uterus	Normal	Ok	Biopsy
B5j	108	45	F	Ovary, corpus luteum	Myoma uterus	Normal	Ok	Biopsy
B5k	109	47	F	Ovary, corpus luteum	Hysterectomy	Normal	Ok	Biopsy
B5l	109	47	F	Ovary, corpus luteum	Hysterectomy	Normal	Ok	Biopsy
B5m	110	25	F	Fallopian tube		Normal	Ok	Biopsy
B5n	110	25	F	Fallopian tube		Normal	Ok	Biopsy
B5o	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B5r	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B6a	112		F	Fallopian tube	CIS cervix	Normal	Ok	Biopsy
B6b	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B6c	113	45	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6d	113	45	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6e	114	47	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6f	114	47	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6g	115	42	F	Myometrium	Dysfunctional bleeding, myoma, adenomyosis	Normal	Some endometrium included	Biopsy
B6h	116	28	F	Myometrium	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B6i	119	30	F	Myometrium		Normal	Ok	Biopsy
B6j	118	42	F	Myometrium	Ovarian cyst (endometriosis)	Normal	Endometrium	Biopsy
B6k	119	30	F	Myometrium	Pelvic pain	Normal	Ok	Biopsy
B6l	120	45	F	Myometrium	Pelvic pain	Normal	Ok	Biopsy
B6m	121	49	F	Myometrium	Menometrorrhagia	Normal	Ok	Biopsy
B6n	121	49	F	Myometrium	Endometrium cancer	Normal	Ok	Biopsy
B6o	122		F	Myometrium	Endometrium cancer	Normal	Ok	Biopsy
B6p	122		F	Myometrium	CIS cervix	Normal	Ok	Biopsy
B7a	123	31	F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7b	123	31	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7c	124	39	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7d	123	31	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7e	125	32	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7f	125	32	F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7g	126		F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7h	126		F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7i	127	47	F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7j	127	47	F	Endo sekr	Hysterectomy	Normal	Ok	Biopsy
					Hysterectomy	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B7k	128	28	F	Endo prol	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B7l	128	28	F	Endo prol	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B7m	129	40	F	Endo prol	Menorrhagia	Normal	Ok	Biopsy
B7n	129	40	F	Endo prol	Menorrhagia	Normal	Few epithelial cells	Biopsy
B7o	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B7p	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8a	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8b	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8c	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Few epithelial cells	Biopsy
B8d	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Few epithelial cells	Biopsy
B8e	136	45	F	Endocervix	Menometrorrhagia	Normal	Few epithelial cells	Biopsy
B8f	133		F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8g	134		F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8h	135		F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8i	136	45	F	Endocervix	Menometrorrhagia	Normal	Ok	Biopsy
B8j	136	45	F	Endocervix	Menometrorrhagia	Normal	Ok	Biopsy
B8k	137	49	F	Endocervix	Endometrium cancer	Normal	Ok	Biopsy
B8l	137	49	F	Endocervix	Endometrium cancer	Normal	Ok	Biopsy
B8m	138	47	F	Endocervix	Hysterectomy	Normal	Ok	Biopsy
B8n	138	47	F	Endocervix	Hysterectomy	Normal	Ok	Biopsy
B8o	139	41	F	Ektocervix	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8p	140	32	F	Ektocervix	Endometriosis	Normal	Ok	Biopsy
B9a	141		F	Ektocervix	CIS cervix	Normal	Ok	Biopsy
B9b	142	49	F	Ektocervix	CIS cervix	Normal	Ok	Biopsy
B9c	143	49	F	Ektocervix	Endometrium cancer	Normal	Ok	Biopsy
B9d	143	49	F	Ektocervix	Endometrium cancer	Normal	Ok	Biopsy
B9e	144	47	F	Ektocervix	Hysterectomy	Normal	Stroma only	Biopsy
B9f	144	47	F	Ektocervix	Hysterectomy	Normal	Ok	Biopsy
B9g	145	47	F	Ektocervix	Myoma uterus	Normal	Ok	Biopsy
B9h	145	47	F	Ektocervix	Myoma uterus	Normal	Ok	Biopsy
B9i	146	74	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9j	146	74	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
B9k	147	78	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
B9l	147	78	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9m	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9n	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9o	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B9p	148	88	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
C1a	149	87	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
C1b	149	87	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
C1c	150	74	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1d	150	74	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1e	151	78	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C1f	151	78	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C1g	152	88	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1h	152	88	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1i	152	88	M	Kidney papilla	Clear cell RCC	Normal	Ok	Biopsy
C1j	153	87	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C2a	153	87	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C2b	153	87	M	Kidney papilla	Cancer pyelon	Normal	Ok	Biopsy
C2c	154		M	Prostate	Cancer pyelon	Normal	Ok	Biopsy
C2d	154		M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2e	155	66	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2f	155	66	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2g	156	70	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2h	156	70	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2i	156	70	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C2j	157	74	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C3a	157	74	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C3b	157	74	M	Prostate	Benign prostatic hyperplasia	Normal	Ok	Biopsy
C3c	158	60	M	Seminal vesicle	Prostate cancer	Normal	Ok	Biopsy
C3d	158	60	M	Seminal vesicle	Prostate cancer	Normal	Ok	Biopsy
PAGE MISSING								
C6b	167	73	M	Testis	Prostate cancer	Normal	Ok	Biopsy
C6c	168	87	M	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6d	169	87	M	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6e	168	87	M	Kidney pelvis	Cancer pyelon	Normal	Ok	Biopsy
C6f	169	87	M	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6g	168	87	M	Kidney pelvis	Cancer pyelon	Normal	Ok	Biopsy
C6h	170	85	F	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6i	170	85	F	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C6j	170	85	F	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C7a	170	85	F	Kidney pelvis	Cancer pyelon	Normal	No epithelial cells	Biopsy
C7b	170	85	F	Kidney pelvis	Cancer pyelon	Normal	Ok	Biopsy
C7c	171	63	F	bronchus	Cancer pyelon	Normal	Inflammation	Biopsy
					Lung cancer	Normal	No epithelial cells	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
C7d	171	63	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7e	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7f	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7g	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7h	173	51	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7i	173	51	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7j	174			Bronchus	Lung cancer	Normal	Ok	Biopsy
C8a	174			Bronchus	Lung cancer	Normal	Ok	Biopsy
C8b	174			Bronchus	Lung cancer	Normal	Ok	Biopsy
C8c	175	74	F	Lung	Lung cancer	Normal	No epithelial cells	Biopsy
C8d	176	62	M	Lung	Lung cancer	Normal	Ok	Biopsy
C8e	177	68	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8f	178	69	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8g	179	51	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8h	179	51	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8i	180	50	M	Lung	Lung cancer	Normal	Ok	Biopsy
C8j	180	50	M	Lung	Lung cancer	Normal	Ok	Biopsy
C9a	181	56	M	Lung	Lung cancer	Normal	Ok	Biopsy
C9b	178	69	F	Lung	Lung cancer	Normal	Ok	Biopsy
C9c	182	41	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 5h
C9d	182	41	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 5h
C9e	182	41	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 5h
C9f	183	33	F	Cerebellum	Trauma	Normal	Ok	Autopsy, <10h
C9g	183	33	F	Cerebellum	Trauma	Normal	Ok	Autopsy, <10h
C9h	183	33	F	Cerebellum	Trauma	Normal	Ok	Autopsy, <10h
C9i	184	37	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 4h
C9j	184	37	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 4h
D1a	184	37	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 4h
D1b	184	37	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 4h
D1c	185	32	F	Cerebrum, grey substance	Depression, trauma	Normal	Ok	Autopsy, 3h
D1d	185	32	F	Cerebrum, grey substance	Depression, trauma	Normal	Ok	Autopsy, 3h
D1e	186	41	M	Cerebrum, grey substance	Trauma	Normal	Ok	Autopsy, 5h
D1f	186	41	M	Cerebrum, grey substance	Trauma	Normal	Ok	Autopsy, 5h
D1g	187	33	F	Cerebrum, grey substance	Trauma	Normal	Ok	Autopsy, <10h

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Sample #	age	received	associated with	new	prognosis request
1	66				60
2	55				60
3	75				60
4	77				60
5	81				60
6	33			1	60
7	75			1	60
8	77				60
9	76				60
10	51				60
11	45				60
12	65				60
13	69				60
14	61				60
15	68				60
16	78				60
17	79				60
18	55				60
19	53				60
20	82				60
21	62				60
22	63				60
23	66				60
24	67				60
25	72				60
26	79				60
27	75				60
28	68				60
29	77				60
30	76				60
31	51	07/31/1996			60
32	45	07/31/1996			60
33	65	07/31/1996			60
34	69	07/31/1996			60
35	61	07/31/1996			60
36	68	07/31/1996			60
37	78	07/31/1996			60
38	79	07/31/1996			60
39	55	07/31/1996			60
40	53	07/31/1996			60
41	82	07/31/1996			60
42	62	07/31/1996			60
43	63	07/31/1996			60
44	66	07/31/1996			60
45	67	07/31/1996			60
46	72	07/31/1996			60
47	79	07/31/1996			60
48	75	07/31/1996			60
49	68	07/31/1996			60
50	59	07/31/1996			60
51	56	07/31/1996			60
52	49	07/31/1996			60
53	63	07/31/1996			60

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Histo initial

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

use b89.7117 for PR50

primary tumor also in b91.3181

slides + blocks not found
slides + blocks not found
SEARCH FOR PREVIOUS BIOPSY!
DD papillary
cancer only seen on frozen section

paget

residual tumor
small tumor

residual tumor

residual tumor
dob 21.4.23
sent previously

not macroscop measurable
sent previously

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

pT	pN	nodes all	nodes pos	diameter/mm	surgery
1	0	23	0	15	mastectomy
1	0	17	0	40	lumpectomy
1	0	8	0	8	mastectomy
1	0		0	85	m
1	0		0	29	l
1	0		0	6	l
1	0		0	9	l
1	0	20	0	45	mastectomy
1	0	14	0	30	mastectomy
1	0	0	0	40	mastectomy
1	0	19	0	35	mastectomy
1	0	20	0	25	mastectomy
1	0	20	0	10	mastectomy
1	0	18	0	23	mastectomy
1	0	3	0	55	mastectomy
1	0	10	0	20	mastectomy
1	0	19	0	15	mastectomy
1	0	0	0	30	lumpectomy
1	0	0	0	40	mastectomy
1	0	21	0	15	lumpectomy
1	0	17	0	60	mastectomy
1	0	11	0	21	lumpectomy
1	0	0	0	15	lumpectomy
1	0	0	0	30	mastectomy
1	0	17	0	70	mastectomy
1	0	8	0	15	mastectomy
1	0	0	0	30	lumpectomy
1	0	16	0		mastectomy
1	0	13	0	10	mastectomy
1	0	7	0	10	mastectomy
1	0		0	10	l
1	0		0	21	l
1	0		0	18	
1	0		0	10	
1	0		0	38	
1	0		0	18	
1	0		0		
1	0		0	20	
1	0	16	0		m
1	0		0		
1	0		0	8	l
1	0	14	0		
1	0		0	12	l
1	0		0	27	
1	0	7	0		m
1	0		0	15	l
1	0		0	10	
1	0		0	15	
1	0		0		
1	0		0		
1	0		0	15	l
1	0		0	>20	l
1	0		0	10	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

resection border	array	Histotyp GS	sex	category
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca+meta
free	BR50	ductal	f	ca+dcis
f	BR50	ductal	f	ca+meta
f	BR50	ductal	f	ca+dcis
n	n	ductal		ca+meta
n	n	ductal	f	ca+dcis
free	BR50	ductal	f	ca+meta
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca+meta
free	BR50	ductal	f	ca+dcis
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca+meta
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca+dcis+meta+no
?	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	ev	ductal	f	ca+meta
free	ev	ductal	f	dcis
?	n	ductal	f	ca
free	y	ductal	f	ca
free	y	ductal	f	ca+dcis+meta
free	y	ductal	f	ca
free	y	ductal	f	ca
f	y	ductal	f	ca
free		ductal	f	ca
free		ductal	f	ca
f		ductal		ca
pos		ductal		ca
		ductal		ca
		ductal		ca
pos		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
pos		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
free		ductal		ca
		ductal		ca
		ductal		ca
?		ductal		ca
free		ductal		ca
pos		ductal		ca

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

secondary type	Tub GS	Poly GS	mito gs	DCIS type
	3	2	1	
	3	3	2	
	3	2	1	solid, crib low
	2	3	1	
	1	2	1	
	2	3	3	
	3	2	1	
	3	2	1	
	3	3	2	
	3	3	1	
	3	2	1	
	1	2	1	
	3	2	1	
	3	2	1	
	3	2	1	
	3	3	2	
	3	3	3	
	2	2	2	
	3	2	1	
	2	3	2	
	3	2	2	
	3	2	3	
	3	3	2	sol/crib low grade
	2	2	1	
	3	3	1	
	3	2	3	
	2	2	1	
	3			
	3			
	2			
	3			
	3			
	2			

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

tumor slides	dcis slides	lcis slides
1; 2; 3		
1; 2; 3		
1; 2	3; 4	
1; 2; 3; 4		
1		
1		
1 to 5		
1; 2; 3; 4		
1; 2; 3		
1		
1; 2	2	
1; 2		
1; 2; 3; 4		
1 to 7		
1; 2		
1; 5; 6; 8; 9; 11	2-9; 12	
1; 2; 3; 4		
1 to 7		
1; 2; 3		
1; 2	1; 2; 3	
1		
1; 2; 3		
1; 2; 3; 4	3; 4	
1; 2		
1; 2; 3; 4; 5		
2		
1		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides	normal slides 2; 3	meta slides
		b89.6424
	2 3	
	8	b89.8818
	10 1; 2; 3: lactating breast	b91.3181
		3; 4; 5; 6
		5; 6
	6	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta normal skin normal mamilla normal nodes normal muscle

7; 8

1

1

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

1; 2; 3: lactating breast

2; 3; 4; 5 scar formation, fat necrosis

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A5l	36	41	M	Heart	Trauma	Normal	Ok	Autopsy, 5h
A5m	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5n	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5o	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A5r	37	37	M	Heart	Trauma	Normal	Ok	Autopsy, 4h
A6a	38	25	M	Skeletal muscle	Tonsillitis chronica	Normal	Ok	Autopsy, 4h
A6b	39	27	M	Skeletal muscle	Seminoma	Normal	Ok	Biopsy
A6c	40	22	M	Skeletal muscle	Chronic tonsillitis	Normal	Ok	Biopsy
A6d	41	43	M	Skeletal muscle	Hernia	Normal	Ok	Biopsy
A6e	42	67	M	Skeletal muscle	Eyid resection	Normal	Ok	Biopsy
A6f	42	67	M	Skeletal muscle	Eyid resection	Normal	Ok	Biopsy
A6g	44	31	F	Skeletal muscle	Thyroid cancer	Normal	Bleeding, no muscle	Biopsy
A6h	45			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6i	46			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6j	46			Skeletal muscle	Breast cancer	Normal	Ok	Biopsy
A6k	47	75	F	Smooth muscle, intestine	Gastric ulcer	Normal	Ok	Biopsy
A6l	48	68	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6m	49	91	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6n	49	91	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6o	50	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A6p	50	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A7a	51	76	M	Smooth muscle, intestine	Gastric cancer	Normal	Ok	Biopsy
A7b	51	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7c	52	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7d	52	47	F	Smooth muscle, intestine	Reflux esophagitis	Normal	Ok	Biopsy
A7e	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Lipomatous tissue	Biopsy
A7f	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Intestinal metaplasia	Biopsy
A7g	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Ok	Biopsy
A7h	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Chronic inflammation	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A7i	53	75	F	Stomach, antrum	Gastric ulcer	Normal	Chronic inflammation	Biopsy
A7j	54	68	M	Stomach, antrum	Gastric cancer	Normal	Chronic inflammation	Biopsy
A7k	54	68	M	Stomach, antrum	Gastric cancer	Normal	Chronic inflammation	Biopsy
A7l	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7m	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7n	54	68	M	Stomach, antrum	Gastric cancer	Normal	Ok	Biopsy
A7o	56	68	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A7p	56	68	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8a	57	76	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8b	57	76	M	Stomach, corpus	Gastric cancer	Normal	Ok	Biopsy
A8c	58	47	F	Stomach, corpus	Reflux esophagitis	Normal	Ok	Biopsy
A8d	58	47	F	Stomach, corpus	Reflux esophagitis	Normal	Ok	Biopsy
A8e	59	76	F	Stomach, corpus	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8f	59	76	F	Stomach, corpus	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8g	60	90	F	Stomach, corpus	Duodenal ulcer	Normal	No epithelial cells	Biopsy
A8h	60	90	F	Stomach, corpus	Duodenal ulcer	Normal	Ok	Biopsy
A8i	55	75	F	Duodenum	Gastric cancer	Normal	Ok	Biopsy
A8j	55	75	F	Duodenum	Gastric cancer	Normal	Ok	Biopsy
A8k	61	81	F	Duodenum	Colon cancer	Normal	Ok	Biopsy
A8l	61	81	F	Duodenum	Colon cancer	Normal	Ok	Biopsy
A8m	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8n	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8o	62	76	F	Duodenum	Gastric cancer, chronic active gastritis	Normal	Ok	Biopsy
A8p	63	90	F	Duodenum	Duodenal ulcer	Normal	No epithelial cells	Biopsy
A9a	63	90	F	Duodenum	Duodenal ulcer	Normal	Ok	Biopsy
A9b	63	90	F	Duodenum	Duodenal ulcer	Normal	Ok	Biopsy
A9c	64	66	F	ileum	Colon cancer	Normal	Ok	Biopsy
A9d	65	79	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9e	66	72	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9f	67	57	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9g	68	72	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9h	68	72	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9i	69	85	M	Ileum	Colon cancer	Normal	Ok	Biopsy
A9j	69	85	M	Ileum	Colon cancer	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
A9k	70	82	F	Ileum	Colon cancer	Normal	Ok	Biopsy
A9l	70	82	F	Ileum	Colon cancer	Normal	Ok	Biopsy
A9m	71	79	M	Colon	Colon cancer	Normal	Ok	Biopsy
A9n	71	79	M	Colon	Colon cancer	Normal	Ok	Biopsy
A9o	72	85	F	Colon	Colon cancer	Normal	Ok	Biopsy
A9p	72	85	F	Colon	Colon cancer	Normal	No epithelial cells	Biopsy
B1a	73	72	M	Colon	Colon adenoma	Normal	Ok	Biopsy
B1b	73	72	M	Colon	Colon adenoma	Normal	Ok	Biopsy
B1c	74	57	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1d	74	57	M	Colon	Colon cancer	Normal	Sample missing on first section	Biopsy
B1e	75	85	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1f	75	85	M	Colon	Colon cancer	Normal	Ok	Biopsy
B1g	76	72	M	Appendix	Colon adenoma	Normal	Ok	Biopsy
B1h	77	57	M	Appendix	Colon cancer	Normal	Only smooth muscle	Biopsy
B1i	77	57	M	Appendix	Colon cancer	Normal	Connective tissue	Biopsy
B1j	78	25	F	Appendix	Idiopath megacolon	Normal	Ok	Biopsy
B1k	79	85	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1l	79	85	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1m	80	32	F	Appendix	Uterus endometriosis	Normal	Ok	Biopsy
B1n	80	32	F	Appendix	Uterus endometriosis	Normal	Debris	Biopsy
B1o	81	88	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B1p	81	88	M	Appendix	Colon cancer	Normal	Ok	Biopsy
B2a	82	78	M	Gall bladder	Colon cancer	Normal	Ok	Biopsy
B2b	82	78	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2c	83	16	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2d	83	16	M	Gall bladder	Normal	Normal	Ok	Biopsy
B2e	84	56	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2f	84	56	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2g	85	54	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2h	85	54	F	Gall bladder	Normal	Normal	Ok	Biopsy
B2i	86			Gall bladder	Normal	Normal	Ok	Biopsy
B2j	86			Gall bladder	Normal	Normal	Ok	Biopsy
B2k	87	74	F	Liver	Mild non-specific portal triaditis	Normal	Ok	Biopsy
B2l	87	74	F	Liver	Mild non-specific portal triaditis	Normal	Ok	Biopsy
B2m	88	85	M	Liver	Colon cancer, metastatic	Normal	Ok	Biopsy
B2n	88	85	M	Liver	Colon cancer, metastatic	Normal	Ok	Biopsy
B2o	89	71	M	Liver	Cholecystitis	Normal	Ok	Biopsy
B2p	89	71	M	Liver	Cholecystitis	Normal	Inflammation	Biopsy
B3a	89	71	M	Liver	Cholecystitis	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B3b	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3c	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3d	90	26	F	Liver	Hodgkin disease	Normal	Ok	Biopsy
B3e	93			Pancreas		Normal	Ok	Autopsy, <12h
B3f	93			Pancreas		Normal	Ok	Autopsy, <12h
B3g	93			Pancreas		Normal	Ok	Autopsy, <12h
B3h	93			Pancreas		Normal	Ok	Autopsy, <12h
B3i	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3j	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3k	91	32	F	Pancreas	Depression, trauma	Normal	Ok	Autopsy, 3h
B3l	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3m	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3n	92	41	M	Pancreas	Trauma	Normal	Ok	Autopsy, 5h
B3o	94	31	M	Submandibular gland	Sialadenitis other area (behind stone)	Normal	Ok	Biopsy
B3p	94	31	M	Submandibular gland	Sialadenitis other area (behind stone)	Normal	Ok	Biopsy
B4a	94	31	M	Submandibular gland	Sialadenitis other area (behind stone)	Normal	Ok	Biopsy
B4b	95	62	F	Submandibular gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4c	95	62	F	Submandibular gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4d	95	62	F	Submandibular gland	Mucoepidermoid carcinoma	Normal	Ok	Biopsy
B4e	96	31	F	Submandibular gland	Thyroid cancer	Normal	Ok	Biopsy
B4f	96	31	F	Submandibular gland	Thyroid cancer	Normal	Ok	Biopsy
B4g	96	31	F	Submandibular gland	Thyroid cancer	Normal	Ok	Biopsy
B4h	96	31	F	Submandibular gland	Thyroid cancer	Normal	Ok	Biopsy
B4i	100	44	F	Ovary, stroma	Abnormal bleedings	Normal	Ok	Biopsy
B4j	98		F	Ovary, stroma	CIS cervix	Normal	Fallopian tube	Biopsy
B4k	99	45	F	Ovary, stroma	Menometrorrhagia	Normal	Ok	Biopsy
B4l	100	44	F	Ovary, stroma	Abnormal bleedings	Normal	Ok	Biopsy
B4m	101	45	F	Ovary, stroma	Myoma uterus	Normal	Ok	Biopsy
B4n	98		F	Ovary, stroma	CIS cervix	Normal	Ok	Biopsy
B4o	102	47	F	Ovary, stroma	Hysterectomy	Normal	Sample missing on first section	Biopsy
B4p	102	47	F	Ovary, stroma	Hysterectomy	Normal	Ok	Biopsy
B5a	103	47	F	Ovary, stroma	Myoma uterus	Normal	Ok	Biopsy
B5b	103	47	F	Ovary, stroma	Myoma uterus	Normal	Ok	Biopsy
B5c	100	44	F	Ovary, corpus luteum	Abnormal bleedings	Normal	Ok	Biopsy
B5d	105	32	F	Ovary, corpus luteum	Endometriosis uterus	Normal	Ok	Biopsy
B5e	106	45	F	Ovary, corpus luteum	Menometrorrhagia	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B5f	106	45	F	Ovary, corpus luteum	Menometrorrhagia	Normal	Ok	Biopsy
B5g	107	44	F	Ovary, corpus luteum	Abnormal bleedings	Normal	Ok	Biopsy
B5h	107	44	F	Ovary, corpus luteum	Abnormal bleedings	Normal	Ok	Biopsy
B5i	108	45	F	Ovary, corpus luteum	Myoma uterus	Normal	Ok	Biopsy
B5j	108	45	F	Ovary, corpus luteum	Myoma uterus	Normal	Ok	Biopsy
B5k	109	47	F	Ovary, corpus luteum	Hysterectomy	Normal	Ok	Biopsy
B5l	109	47	F	Ovary, corpus luteum	Hysterectomy	Normal	Ok	Biopsy
B5m	110	25	F	Fallopian tube		Normal	Ok	Biopsy
B5n	110	25	F	Fallopian tube		Normal	Ok	Biopsy
B5o	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B5r	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B6a	112		F	Fallopian tube	CIS cervix	Normal	Ok	Biopsy
B6b	111	30	F	Fallopian tube		Normal	Ok	Biopsy
B6c	113	45	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6d	113	45	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6e	114	47	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6f	114	47	F	Fallopian tube	Myoma uterus	Normal	Ok	Biopsy
B6g	115	42	F	Myometrium	Dysfunctional bleeding, myoma, adenomyosis	Normal	Some endometrium included	Biopsy
B6h	116	28	F	Myometrium	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B6i	119	30	F	Myometrium		Normal	Ok	Biopsy
B6j	118	42	F	Myometrium	Ovarian cyst (endometriosis)	Normal	Endometrium	Biopsy
B6k	119	30	F	Myometrium	Pelvic pain	Normal	Ok	Biopsy
B6l	120	45	F	Myometrium	Pelvic pain	Normal	Ok	Biopsy
B6m	121	49	F	Myometrium	Menometrorrhagia	Normal	Ok	Biopsy
B6n	121	49	F	Myometrium	Endometrium cancer	Normal	Ok	Biopsy
B6o	122		F	Myometrium	Endometrium cancer	Normal	Ok	Biopsy
B6p	122		F	Myometrium	CIS cervix	Normal	Ok	Biopsy
B7a	123	31	F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7b	123	31	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7c	124	39	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7d	123	31	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7e	125	32	F	Endo sekr	Prolaps	Normal	Ok	Biopsy
B7f	125	32	F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7g	126		F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7h	126		F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7i	127	47	F	Endo sekr	CIS cervix	Normal	Ok	Biopsy
B7j	127	47	F	Endo sekr	Hysterectomy	Normal	Ok	Biopsy
					Hysterectomy	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
B7k	128	28	F	Endo prol	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B7l	128	28	F	Endo prol	Ruptured ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B7m	129	40	F	Endo prol	Menorrhagia	Normal	Ok	Biopsy
B7n	129	40	F	Endo prol	Menorrhagia	Normal	Few epithelial cells	Biopsy
B7o	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B7p	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8a	130	41	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8b	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B8c	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Few epithelial cells	Biopsy
B8d	131	42	F	Endo prol	Ovarian cyst (endometriosis)	Normal	Few epithelial cells	Biopsy
B8e	136	45	F	Endocervix	Ovarian cyst (endometriosis)	Normal	Few epithelial cells	Biopsy
B8f	133		F	Endocervix	Menometrorrhagia	Normal	Ok	Biopsy
B8g	134		F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8h	135		F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8i	136	45	F	Endocervix	CIS cervix	Normal	Ok	Biopsy
B8j	136	45	F	Endocervix	Menometrorrhagia	Normal	Ok	Biopsy
B8k	137	49	F	Endocervix	Menometrorrhagia	Normal	Ok	Biopsy
B8l	137	49	F	Endocervix	Endometrium cancer	Normal	Ok	Biopsy
B8m	138	47	F	Endocervix	Endometrium cancer	Normal	Ok	Biopsy
B8n	138	47	F	Endocervix	Hysterectomy	Normal	Ok	Biopsy
B8o	139	41	F	Ektocervix	Hysterectomy	Normal	Ok	Biopsy
B8p	140	32	F	Ektocervix	Ovarian cyst (endometriosis)	Normal	Ok	Biopsy
B9a	141		F	Ektocervix	Endometriosis	Normal	Ok	Biopsy
B9b	142	49	F	Ektocervix	CIS cervix	Normal	Ok	Biopsy
B9c	143	49	F	Ektocervix	CIS cervix	Normal	Ok	Biopsy
B9d	143	49	F	Ektocervix	Endometrium cancer	Normal	Ok	Biopsy
B9e	144	47	F	Ektocervix	Endometrium cancer	Normal	Stroma only	Biopsy
B9f	144	47	F	Ektocervix	Hysterectomy	Normal	Ok	Biopsy
B9g	145	47	F	Ektocervix	Hysterectomy	Normal	Ok	Biopsy
B9h	145	47	F	Ektocervix	Myoma uterus	Normal	Ok	Biopsy
B9i	146	74	M	Kidney cortex	Myoma uterus	Normal	Ok	Biopsy
B9j	146	74	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9k	147	78	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
B9l	147	78	M	Kidney cortex	Cancer pyelon	Normal	Ok	Biopsy
B9m	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9n	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy
B9o	148	88	M	Kidney cortex	Clear cell RCC	Normal	Ok	Biopsy

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
C7d	171	63	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7e	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7f	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7g	172	74	M	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7h	173	51	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7i	173	51	F	Bronchus	Lung cancer	Normal	Ok	Biopsy
C7j	174			Bronchus	Lung cancer	Normal		Biopsy
C8a	174			Bronchus	Lung cancer	Normal		Biopsy
C8b	174			Bronchus	Lung cancer	Normal		Biopsy
C8c	175	74	F	Lung	Lung cancer	Normal	No epithelial cells	Biopsy
C8d	176	62	M	Lung	Lung cancer	Normal	Ok	Biopsy
C8e	177	68	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8f	178	69	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8g	179	51	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8h	179	51	F	Lung	Lung cancer	Normal	Ok	Biopsy
C8i	180	50	M	Lung	Lung cancer	Normal	Ok	Biopsy
C8j	180	50	M	Lung	Lung cancer	Normal	Ok	Biopsy
C9a	181	56	M	Lung	Lung cancer	Normal	Ok	Biopsy
C9b	178	69	F	Lung	Lung cancer	Normal	Ok	Biopsy
C9c	182	41	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 5h
C9d	182	41	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 5h
C9e	182	41	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 5h
C9f	183	33	F	Cerebellum	Trauma	Normal	Ok	Autopsy, <10h
C9g	183	33	F	Cerebellum	Trauma	Normal	Ok	Autopsy, <10h
C9h	183	33	F	Cerebellum	Trauma	Normal	Ok	Autopsy, <10h
C9i	184	37	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 4h
C9j	184	37	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 4h
D1a	184	37	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 4h
D1b	184	37	M	Cerebellum	Trauma	Normal	Ok	Autopsy, 4h
D1c	185	32	F	Cerebrum, grey substance	Depression, trauma	Normal	Ok	Autopsy, 3h
D1d	185	32	F	Cerebrum, grey substance	Depression, trauma	Normal	Ok	Autopsy, 3h
D1e	186	41	M	Cerebrum, grey substance	Trauma	Normal	Ok	Autopsy, 5h
D1f	186	41	M	Cerebrum, grey substance	Trauma	Normal	Ok	Autopsy, 5h
D1g	187	33	F	Cerebrum, grey substance	Trauma	Normal	Ok	Autopsy, <10h

Localisation	Identical Biopsy	Age	Sex	Organ	Underlying Disease	Histologic DX	Tissue Represented, Lot1	Material
D1h	187	33	F	Cerebrum, grey substance	Trauma	Normal	Ok	Autopsy, <10h

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Sample #	age	received	associated with	new	prognosis request
1	66				60
2	55				60
3	75				60
4	77				60
5	81				60
6	33			1	60
7	75			1	60
8	77				60
9	76				60
10	51				60
11	45				60
12	65				60
13	69				60
14	61				60
15	68				60
16	78				60
17	79				60
18	55				60
19	53				60
20	82				60
21	62				60
22	63				60
23	66				60
24	67				60
25	72				60
26	79				60
27	75				60
28	68				60
29	77				60
30	76				60
31	51	07/31/1996			60
32	45	07/31/1996			60
33	65	07/31/1996			60
34	69	07/31/1996			60
35	61	07/31/1996			60
36	68	07/31/1996			60
37	78	07/31/1996			60
38	79	07/31/1996			60
39	55	07/31/1996			60
40	53	07/31/1996			60
41	82	07/31/1996			60
42	62	07/31/1996			60
43	63	07/31/1996			60
44	66	07/31/1996			60
45	67	07/31/1996			60
46	72	07/31/1996			60
47	79	07/31/1996			60
48	75	07/31/1996			60
49	68	07/31/1996			60
50	59	07/31/1996			60
51	56	07/31/1996			60
52	49	07/31/1996			60
53	63	07/31/1996			60

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Histo initial

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

use b89.7117 for PR50

primary tumor also in b91.3181

slides + blocks not found
slides + blocks not found
SEARCH FOR PREVIOUS BIOPSY!
DD papillary
cancer only seen on frozen section

paget

residual tumor
small tumor

residual tumor

residual tumor
dob 21.4.23
sent previously

not macroscop measurable
sent previously

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

pT	pN	nodes all	nodes pos	diameter/mm	surgery
1	0	23	0	15	mastectomy
1	0	17	0	40	lumpectomy
1	0	8	0	8	mastectomy
1	0		0	85	m
1	0		0	29	I
1	0		0	6	I
1	0		0	9	I
1	0	20	0	45	mastectomy
1	0	14	0	30	mastectomy
1	0	0	0	40	mastectomy
1	0	19	0	35	mastectomy
1	0	20	0	25	mastectomy
1	0	20	0	10	mastectomy
1	0	18	0	23	mastectomy
1	0	3	0	55	mastectomy
1	0	10	0	20	mastectomy
1	0	19	0	15	mastectomy
1	0	0	0	30	lumpectomy
1	0	0	0	40	mastectomy
1	0	21	0	15	lumpectomy
1	0	17	0	60	mastectomy
1	0	11	0	21	lumpectomy
1	0	0	0	15	lumpectomy
1	0	0	0	30	mastectomy
1	0	17	0	70	mastectomy
1	0	8	0	15	mastectomy
1	0	0	0	30	lumpectomy
1	0	16	0		mastectomy
1	0	13	0	10	mastectomy
1	0	7	0	10	mastectomy
1	0		0	10	I
1	0		0	21	I
1	0		0	18	
1	0		0	10	
1	0		0	38	
1	0		0	18	
1	0		0		
1	0		0	20	
1	0	16	0		m
1	0		0		
1	0		0	8	I
1	0	14	0		
1	0		0	12	I
1	0		0	27	
1	0	7	0		m
1	0		0	15	I
1	0		0	10	
1	0		0	15	
1	0		0		
1	0		0		
1	0		0	15	I
1	0		0	>20	I
1	0		0	10	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

resection border	array	Histotyp GS	sex	category
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca+meta
free	BR50	ductal	f	ca+dcis
f	BR50	ductal	f	ca+meta
f	BR50	ductal	f	ca+dcis
n	n	ductal		ca+meta
n	n	ductal	f	ca+dcis
free	BR50	ductal	f	ca+meta
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca+meta
free	BR50	ductal	f	ca+dcis
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca+meta
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
?	BR50	ductal	f	ca+dcis+meta+no
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	ev	ductal	f	ca+meta
free	ev	ductal	f	dcis
?	n	ductal	f	ca
free	y	ductal	f	ca
free	y	ductal	f	ca+dcis+meta
free	y	ductal	f	ca
free	y	ductal	f	ca
f	y	ductal	f	ca
free		ductal	f	ca
free		ductal	f	ca
		ductal		ca
f		ductal		ca
pos		ductal		ca
		ductal		ca
		ductal		ca
pos		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
pos		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
free		ductal		ca
		ductal		ca
		ductal		ca
?		ductal		ca
free		ductal		ca
pos		ductal		ca

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

secondary type	Tub GS	Poly GS	mito gs	DCIS type
	3	2	1	
	3	3	2	
	3	2	1	solid, crib low
	2	3	1	
	1	2	1	
	2	3	3	
	3	2	1	
	3	2	1	
	3	3	2	
	3	3	1	
	3	2	1	
	1	2	1	
	3	2	1	
	3	2	1	
	3	2	1	
	3	3	2	
	3	3	3	
	2	2	2	
	3	2	1	
	2	3	2	
	3	2	2	
	3	2	3	
	3	3	2	sol/crib low grade
	2	2	1	
	3	3	1	
	3	2	3	
	2	2	1	
	3			
	3			
	2			
	3			
	3			
	2			

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

tumor slides	dcis slides	lcis slides
1; 2; 3		
1; 2; 3		
1; 2	3; 4	
1; 2; 3; 4		
1		
1		
1 to 5		
1; 2; 3; 4		
1; 2; 3		
1		
1; 2	2	
1; 2		
1; 2; 3; 4		
1 to 7		
1; 2		
1; 5; 6; 8; 9; 11	2-9; 12	
1; 2; 3; 4		
1 to 7		
1; 2; 3		
1; 2	1; 2; 3	
1		
1; 2; 3		
1; 2; 3; 4	3; 4	
1; 2		
1; 2; 3; 4; 5		
2		
1		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides	normal slides 2; 3	meta slides
		b89.6424
	2 3	
	8	b89.8818
	10 1; 2; 3: lactating breast	b91.3181
		3; 4; 5; 6
		5; 6
	6	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta normal skin normal mamilla normal nodes normal muscle

7; 8

1

1

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

1; 2; 3: lactating breast

2; 3; 4; 5 scar formation, fat necrosis

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

cut slides	slide 1 cancer
	0.9
2	1.2
	0.7
1	0.8
1	1.3
	1
1	1.5
	1
all	1
	0.7
all	1
	0.6
	2
	1.3
	1
	1
	1.3
	1
1	1
all	0.4
	0
1	0.2
3	0.2
2	0.4
	0.5
1	1.6
	0.8

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 1 DCIS	slide 1 normal	slide 2 cancer
0	0	0.8
0	0	1.2
0	0	0.4
0	0,8: normal muscle	
0	0	
0	0	1
0	0	0.5
0	0	1
0	0	0
0	0	0.5
0	0	0.2
0	0	2
0	0	1.5
0	0	0.2
0	0	0
0	0.5	1.3
0	0	1
0	0	0.7
0	0	0.4
0.4	0	0
0	0	
0	0	0.3
0	0	1.2
0	0	0.1
0	0	1.5
0	0	0.8
0	0	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 2 DCIS	slide 2 normal	slide 3 cancer	slide 3 DCIS
0	0.3	0.7	0
0	0	0.7	0
0	0	0	0.6
0	0	1	0
0	0	0.4	0
0	0	0.5	0
0	0.4		
0.3	0	0	0
0	0		
0	0	1.5	0
0	0	1	0
0	0		
1.3	0	0	0.7
0	0.5	1.3	0
0	0	0.8	0
0	0	0.4	0
0	0	0.6	0
0.3	0	0	0.2
0	0	0.4	0
0	0	0.7	1
0	0		
0	0	1.2	0
0	0		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 3 normal	slide 4 cancer	slide 4 DCIS	slide 4 normal
0.5			
0			
0	0	0.8	0
0	.7	0	0
0	0.6	0	0
0			
0.3			
0	1.3	0	0
0	1.2	0	0
0	0	0.6	0
0.2	1	0	0
0	1	0	0
0			
0	0.5	0	0
0			
0			
0	0.5	0.6	0
0	1	0	0
4 skin			

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer	slide 5 DCIS	slide 5 normal	slide 6 cancer	slide 6 DCIS
----------------	--------------	----------------	----------------	--------------

0.3	0	0		
0.7	0	0	0.8	0
0.2	0.5	0	0.4	0.4
0.6	0	0	0.6	0
0.3	0	0	0.1	0
0.9	0	0	0.6	0
0.8	0	0	0	0

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

2nd DCIS type	2nd Tub GS	2nd Poly GS	2nd mito gs
---------------	------------	-------------	-------------

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

HER-2/Neu	ER
Neg	Neg
Neg	Neg
Neg	Neg
Neg	Neg
Neg	Pos
Neg	Pos
Pos	Pos
Pos	Pos
Pos	Neg
Pos	Neg
Neg	Neg
Neg	Pos
Neg	Pos
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Pos	Neg
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Pos	Pos
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Neg	Neg
Pos	Pos
Pos	Pos
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Neg	Neg
Neg	Neg
Neg	Neg

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Sample #	age	received	associated with	new	prognosis request
54	79	07/31/1996			60
55	55	07/31/1996			60
56	53	07/31/1996			60
57	82	07/31/1996			60
58	62				60
59	63				60
60	66				60
61	67				60
62	72				60
63	79				60
64	75				60
65	68				60
66	59				60
67	56				60
68	49				60
69	63				60
70	66				60
71	79		h91.167	add	60
72	55		h91.273	no add	60
73	53				60
74	82				60
75	62				60
76	63		h91.939	add	60
77	66				60
78	67		h92.1084	add	60
79	72		h92.1084		60
80	79		h92.1146		60
81	75				60
82	68				60
83	59				60
84	79				60
85	75				60
86	68				60
87	59				60
88	56				60
89	49				60
90	63				60
91	66				60
92	79		h87.1408?		60
93	55		h87.1408?		60
94	53				60
95	82				60
96	62				60
97	63				60
98	66				60
99	67				60
100	72		h92.636		60
101	79				60
102	75				60
103	68				60
104	59				60
105	56				60
106	49				60

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[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks
dob 29.1.19

second tumor: mucoid 10mm diameter, BRE grade 1 (slides 4 and 5)

has also colon cancer!!

small carcinoma

multicentric
extranodal extension in lymph node marked in black

difficult type, DD lobular cancer solid variant check
small dcis on 1
dcis very small

small focus of cribriform dcis too small to be used

scirrous
DD lob difficult, clarify, dcis too small to punch

SEARCH FOR PREVIOUS BIOPSY! AND NODAL META OF H92.479

lobular?
meta

DD: histiocytic, lipid rich, apocrine

residual cancer. Same pat as h87.1408? meta only small

large
large

1 was frozen, 2 small
small intraductal components intermingled with cancer
SEARCH FOR PREVIOUS BIOPSY!

large dcis, smaller cancer, problem: there is also sclerosing adenosis, ca difficult to prove at many places
little mat

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

pT	pN	nodes all	nodes pos	diameter/mm fragmented	surgery
1	0		0		
1	0		0	20	
1	0		0	22	
1	0		0	30	
1	0	1	0	20	mastectomy
1	0	0	0	x	lumpectomy
1	0	0	0	30	lumpectomy
1	0	0	0	15	
1	0	0	0	x	lumpectomy
1	0	0	0	20	lumpectomy
1	0	14	0	x	mastectomy
1	0		0	6 rt, 7 l	lump. both sides
1	0		0	10	lumpectomy
1	0	0	0	25	lumpectomy
1	0	7	0	x	mastectomy
1	0	12	0	27	lumpectomy
1	0		0	x	lumpectomy
1	0	13	0	20	lumpectomy
1	0	14	0	45	lumpectomy
1	0		0	22	lumpectomy
1	0		0	18	lumpectomy
1	0		0	31	lumpectomy
1	0	9	0	15	lumpectomy
1	0		0	30	lumpectomy
1	0		0	30	lumpectomy
1	0		0	30	m
1	0	24	0	x	mastectomy
1	0	0	0	15	lumpectomy
1	0	14	0	23 residual	mastectomy
1	0	2	0	30	mastectomy
1	0		0	22	lumpectomy
1	0	30	0	x	mastectomy
1	0		0	16	
1	0	0	0	10	lumpectomy
1	0	0	0	14	
1	0	many	0	28	m
1	0		0	18	
1	0		0	31	
1	0		0	23	
1	0	10	0	>30	m
1	0	17	0	35	m
1	0		0	22	
1	0		0	9	
1	0		0	9	
1	0	13	0	40	m
1	0		0	35	
1	0	12	0	16	
1	0	0	0	25	lumpectomy
1	0		0	15	
1	0	16	0	39	lumpectomy
1	0		0	11	lumpectomy
1	0		0	x	lumpectomy
1	0		0	10	lumpectomy

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

resection border	array	Histotyp GS	sex	category
?		ductal		ca
pos		ductal		ca
pos		ductal		ca
pos		ductal		ca
free	BR50	ductal	f	2xca
	BR50	ductal	f	ca
free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free both	BR50	ductal	f	ca
	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
f	BR50	ductal	f	ca
f	BR50	ductal	f	ca
	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
	BR50	ductal	f	ca
n	n	ductal	f	ca
free	n	ductal	f	ca
f	y	ductal	f	ca
f	y	ductal	f	ca
n	y	ductal	f	ca
not free	y	ductal	f	ca
not free	y	ductal	f	ca
f	y	ductal	f	ca
f	y	ductal	f	ca
n	y	ductal	f	ca
n	y	ductal	f	ca
	y	ductal	f	ca
f	y	ductal	f	ca
n	y	ductal	f	ca
f	y	ductal	f	ca
not free	y	ductal	f	ca
	y	ductal	f	ca
free		ductal	f	ca
		ductal	f	ca
not free		ductal	f	ca
free		ductal	f	ca

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

secondary type	Tub GS	Poly GS	mito gs	DCIS type
second tumor: mucinous	3	2	1	
	2	2	1	
	2	2	1	
	3	3	1	
	3	3	2	
	3	3	3	
	1	2	1	
	3	2	2	
	3	2	1	
	3	3	2	
	2	3	1	
	3	3	3	
	3	2	3	
	3	3	2	
	3	3	3	comedo high
	3	3	3	
	2	2	1	
	3	3	1	
cribriform	2	2	1	
lobular	2	2	1	
	2	2	1	
lobular	3	2	1	
	3	3	1	
	3	2	1	
	3	2	2	
	5	2	2	
	3	3	2	
	3	2	1	
	3	3	1	
	2	3	3	
	2	2	1	
	1	2	1	
	3	3	1	
	2	2	2	
	2	3	1	
	3	3	2	
	3	3	2	
	2	3	2	
	3	2	1	
	3	2	1	
	3	3	1	
	3	2	1	
	3	3	3	
	3	2	2	crib, pap low
dcis	2	3	2	comedo high
mucinous 40%	3	2	1	
	3	3	2	
	2	2	2	
	3	2	1	
	3	2	1	solid low

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

tumor slides	dcis slides	lcis slides
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1; 2; 3 / 4; 5		
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1; 2		
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1		
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1		
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1		
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1; 2		
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1		
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3		
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1; 3 fs		
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1; 2; 3; 4		
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1; 2		
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1		
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1; 2; 3; 4		
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1; 2; 3; 4; 5	1	
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1; 2; 3; 4	3	
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1; 2; 3; 4		
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1; 2; 3		
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1; 2; 3; 4; 5		
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1; 2		
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1; ?		
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1; 2; 3; 4		
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1; 2; 3		
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1; 2		
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1; 2		
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1	1	
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1; 2; 3		
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1; 2		
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2; 3; 4; 5		
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1; 2		
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1 fs		
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1		
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1; 2		
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1		
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1; 2; 3		
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1; 2		
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1; 2		
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1; 2		
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1; 2; 3		
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1; 2; 4		
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1		
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1; 2; 3		
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1; 2; 3		
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1 fs		
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1; 2	2; 1	
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1		
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1; 2		
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1; 2; 3; 4		
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1; 2; 3 fs		
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1		
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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides

normal slides

meta slides

1

4

h91.315

3

h87.1623

3: scleros adenosis, prol mastopath w. atypia

4; 5; 6; 7

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta	normal skin	normal mamilla	normal nodes	normal muscle
--------------	-------------	----------------	--------------	---------------

	3		2	
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	3		3	
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	1			
--	---	--	--	--

	2			
--	---	--	--	--

	2			
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	1			
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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

4 scar formation, fat necrosis

1: fat necrosis

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

cut slides	slide 1 cancer
	1.2
1	0.8
1; 2; 5	
1	0.7
1	0.7
1	1.2
1	0.6
1; 3	0.5
1	0.5
1; 2; 3; 4	1.5
1; 4	1
1	0.6
1	2
1	0.9
1; 3	1.5
1	2
1	0.5
1	0.9
1	1.2
1	1.2
1	1.5
1	0.5
1	0.9
	0.8
1	1.3
1	1.5
1	2
2	0.9
	0.5
1	0.8
	3
	3
	1.5
	3
	1
	3
	1
	0.9
	0.9
	2.5
	3
1; 2; 3	0.6
1	0.8
	1
1; 3; 4	0.4
1	0.4
1; 2	do IHC scleros ad?
1	0.4

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 1 DCIS	slide 1 normal	slide 2 cancer
0	0	1.5
0	0	
0	0	
0	0	
0	0	
0	0	
0	0	
0.3	0.2	
,3 not pure	0	
0	0	
0	0	0.3
0	0	
0	0	
0	0	
0	0	
0	0	
0	0	0.5
0.2	0	
0	0	
0	0	
0.1	0	
		0.4
		1.5
		2
		1
		1
		1
		0.5
		0.9
	3 no skin	
		2
		2.5
0.5	0	0.2
1	0	
0	0	
		0.15

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 2 DCIS	slide 2 normal	slide 3 cancer	slide 3 DCIS
--------------	----------------	----------------	--------------

0	0	1.2	0
---	---	-----	---

		0.8	0
--	--	-----	---

		0.4	0.3
--	--	-----	-----

		0	
--	--	---	--

0	0		
---	---	--	--

		1	
--	--	---	--

		0.5	
	2 no skin		

		0.5	
--	--	-----	--

	2 skin		
--	--------	--	--

		1	
--	--	---	--

		0.9	
--	--	-----	--

		1	
--	--	---	--

0.8		0.4	0.7
0.7			

		0.3	0
--	--	-----	---

0.5	0		
-----	---	--	--

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 3 normal	slide 4 cancer	slide 4 DCIS	slide 4 normal
----------------	----------------	--------------	----------------

0	1.4	0	0
---	-----	---	---

0			
---	--	--	--

	0.6	0	0
	0.4	3 (extranodal tumor spread)	

0			
---	--	--	--

	0.8		
--	-----	--	--

	0.3		
--	-----	--	--

	2		
--	---	--	--

0			
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0			
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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer	slide 5 DCIS	slide 5 normal	slide 6 cancer	slide 6 DCIS
----------------	--------------	----------------	----------------	--------------

1.2	0	0		
-----	---	---	--	--

2				
---	--	--	--	--

1.5			1.5	
-----	--	--	-----	--

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$. The function $f(x)$ is also shown to be differentiable and its derivative is found to be $f'(x) = f(x)$.

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$. The function $f(x)$ is also shown to be differentiable and its derivative is found to be $f'(x) = f(x)$. This implies that $f(x) = Ce^x$ for some constant C . The value of C is determined by the initial condition $f(0) = 1$, which gives $C = 1$. Therefore, the function $f(x)$ is $f(x) = e^x$.

[illegible][illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

2nd DCIS type	2nd Tub GS	2nd Poly GS	2nd mito gs
---------------	------------	-------------	-------------

	2	1	1
--	---	---	---

[illegible][illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Sample #	age	received	associated with	new	prognosis request
107	63				60
108	79		h91.307	add	60
109	55		h91.167		60
110	41		h91.307	add	60
111	49		h91.307		60
112	53		h91.273		60
113	61		h91.273		60
114	66				60
115	68				60
116	59	07/31/1996			60
117	56				60
118	49	07/31/1996			60
119	63				60
120	79				60
121	75				60
122	68				60
123	59				60
124	79				60
125	75				60
126	68	07/31/1996			60
127	59				60
128	56				60
129	49				60
130	63		h92.960	not add	60
131	79				60
132	75				60
133	68				60
134	59				60
135	79				60
136	75			1	60
137	68				60
138	59				60
139	68		h92.1146	add	60
140	59				60
141	56			1	60
142	49			1	60
143	63			1	60
144	63			1	60
145	66				60
146	67				60
147	72				60
148	79				60
149	75			1	60
150	68			1	60
151	77			1	60
152	76			1	60
153	63	07/31/1996			60
154	62			1	60
155	63			1	60
156	66			1	60
157	67			1	60
158	72			1	60
159	79			1	60

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 2323
 2324
 2325

ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal

lobular

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal

ductal
ductalductal
ductal

S. W. mic
ductal

ductal
ductalductal
duetel

ductal

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

2: frozen but foto cribriform
2 blocks w.o. sections
Cancer here too small

SEARCH FOR PREVIOUS BIOPSY!

SEARCH FOR PREVIOUS BIOPSY!, dcis small but feasible

SEARCH FOR PREVIOUS BIOPSY!, dcis too small for punching, lymphangiosis carcinomatosa
only one section, was used for frozen

SEARCH FOR PREVIOUS BIOPSY! Only very small cancer in this biopsy, already punched to death
dob 2.1.08

dob 19.8.35
ductal?

primary tumor missing

difficult first path says mixed
difficult

useful

a bit atrophic breast tissue

epithelium rich suited for array

residual tumor
shipped incomplete,

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

pT	pN	nodes all	nodes pos	diameter/mm	surgery
1	0		0	10	lumpectomy
1	0	17	0	30	lumpectomy
1	0	13	0		mastectomy
1	0	17	0	30	lumpectomy
1	0	17	0	30	mastectomy
1	0		0		lumpectomy
1	0		0		mastectomy
1	0		0	11	lumpectomy
1	0	21	0	x	mastectomy
1	0		0	19	I
1	0	16	0	30	lumpectomy
1	0		0	28	
1	0		0	19	I
1	0		0		
1	0		0	20	I
1	0	9	0	45	mastectomy
1	0	11	0	70	mastectomy
1	0	0	0	x	lumpectomy
1	0	10	0	50	mastectomy
1	0		0	21	
1	0		0	25	lumpectomy
1	0	?	0	?	m
1	0		0	20	lumpectomy
1	0	21	0	25	lumpectomy
1	0		0	12	I
1	0	13	0	10	I
1	0		0	>35	I
1	0		0		
1	0		0		
1	0		0	23	I
1	0	14	0	>25	mastectomy
1	0		0		
1	0	24	0		I
1	0		0		lumpectomy
1	0		0		
1	0		0		
1	0		0		fibroadenoma
1	0		0		
1	0		0	32	
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0	11	0		
1	0		0		I
1	0		0		I
1	0		0		I
1	0		0		
1	0		0		
1	0		0		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

resection border	array	Histotyp GS	sex	category
		ductal	f	ca
free		ductal	f	ca
free		ductal	f	ca
free		ductal	f	ca
free		ductal	f	ca
free		ductal	f	ca
free		ductal	f	ca
not free		ductal	f	ca
free		ductal	f	ca
pos		ductal		ca
free	BR50	ductal	f	ca
pos		ductal		ca
f	BR50	ductal	f	ca
	BR50	ductal	f	ca
n	y	ductal	f	ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
?	ev	ductal	f	ca
free	n	ductal	f	ca
pos		ductal		ca
	BR50	ductal	f	ca
	BR50	ductal	f	ca
not free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
n	y	ductal	f	ca
f	y	ductal	f	ca
n	y	ductal	f	ca
		ductal		ca
		ductal		ca
f	y	ductal	f	ca
not free	y	ductal	f	ca
		ductal	f	ca
f		ductal	f	ca
		ductal	f	ca
		ductal		ca
		ductal		ca
		ductal	f	ca
		ductal	f	ca
	BR50	ductal	f	ca
	BR50	ductal	f	ca
		ductal	f	ca
		ductal	f	ca
		ductal		ca
		ductal		ca
		ductal		ca
	y	ductal	f	ca
		ductal		ca
f	no	ductal		ca
f	no	ductal		ca
f	no	ductal		ca
	y	ductal	f	ca
	y	ductal	f	ca
	y	ductal	f	ca

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

secondary type	Tub GS	Poly GS	mito gs	DCIS type
cribriform	1	2	1	cribriform low
	3	2	1	
mucinous	3	2	1	comedo high
	2	2	2	
	3	3		
	3	3	3	
	1	2	1	
	2	2	1	
	3	2	1	
lobular	3	3	3	
	2	1	1	
	3	3	1	
	3	3	2	
	3	2	1	
	3	2	1	
	3	2	1	
	3	2	1	
ductal	3	2	1	
	3	2	1	
	3	2	1	
ductal	3	2	1	
	3	2	1	
	3	2	1	
	3	3	1	comedo high
	3	3	2	
d	1	2	1	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

tumor slides	dcis slides	lcis slides
1; 2 fs ?	1	
1; 2; 3; 5 1		
1; 2; 3 2; 3 1 fs 1	1	
1; 2		
1		
1; 2; 3		
1; 2; 3		
1; 2; b91.7829 (1-4)		
1; 2; and b91.6507 V-XI		
1; 2; 3 1		
1; 2; 3; 4 1; 2 1; 2 1; 2; 3 1 1 1; 2; 3		1; 2 1 small
1 1; 2 1	1; 2	
1; 2 1; 2; 3		
1; 2; 3 1 2 1		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides	normal slides	meta slides
		h91.427 6 4; 6
		3; 4; 5; 6
		b91.7829 b91.6507 2; 3 3 h92.1092
	2	
	1; 2; 3 1	2; 3; 4; 5; 6
	1	
	1; 2 1; 2 1 to 5	
1 to 5		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta	normal skin	normal mamilla	normal nodes	normal muscle
--------------	-------------	----------------	--------------	---------------

	1	1		
--	---	---	--	--

	4	1		
--	---	---	--	--

	2	3		
--	---	---	--	--

		3		
--	--	---	--	--

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

1; 2; 3; 4; 5 scar formation, fat necrosis

4; 5 scar formation, fat necrosis

1: fibroadenoma

1: lactating breast

1; 2: ductectasia (0,5 each)

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

cut slides	slide 1 cancer
1	0.4
2; 3	0
6	
1; 2; 3; 4	0.3
1	0.3
1; 2	wait until first bx arrives,. Not too useful
2	0.3
1	0.2
all	1
1	1.5
1	1.3
	2
	0.6
1	1.2
	0.4
	0.5
1	0.7
1; 2; 3	2.5
1	1.5
1	2
	2
	1
	1.5
	0.9
	1
	0.5
	3
	2
1	2.5
1; 2; 3; 4; 5; 6	1.5
	3: fibroadenoma
1	0.7

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 1 DCIS	slide 1 normal	slide 2 cancer
0.3	0	0.4
0	0	0.3
0	0	wait until first bx arrives,. Not too useful
0	0	0.5
0	0	2
0	0	0.5
0	0	1
0	0	0.4
0	0	2
0	0	0.7
0	0	0.8
0	0	
		1.5
0.8		0
		0.8
0	0	
		2
	0.8	0.6
	0.8	
	1.5	
	0.4	
	0.8	
	1.2	
	0.8	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 2 DCIS	slide 2 normal	slide 3 cancer	slide 3 DCIS
0	0	0.3	0
0	0	0.2	0
0	0	1	0
0	0	1.3	
0	0		
0	0	0.3	0
0	0	3	0
		0.7	
		.8	
		1.5	
0.8	0.3		
	0.5	1	
	1		
	0.5		
	1		
	0.8		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 3 normal	slide 4 cancer	slide 4 DCIS	slide 4 normal
0			
0	1.5	0	0
0	0.7	0	0
0			
0			
0	0.5		
0.7			
0.5			0.3
0.7			0.6

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer	slide 5 DCIS	slide 5 normal	slide 6 cancer	slide 6 DCIS
----------------	--------------	----------------	----------------	--------------

0.3			2 0.5	0
-----	--	--	----------	---

0.5	0	0	0.2	0
-----	---	---	-----	---

0.6

0.6

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

2nd DCIS type	2nd Tub GS	2nd Poly GS	2nd mito gs
---------------	------------	-------------	-------------

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

HER-2/Neu	ER
Neg	Neg
Neg	Neg
Neg	Neg
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Neg	Neg
Neg	Neg
Neg	Neg
Pos	Pos
Pos	Pos
Neg	Neg
Neg	Neg
Neg	Neg
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Neg
Pos	Neg
Neg	Pos
Neg	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Neg
Pos	Neg
Neg	Neg
Neg	Neg
Neg	Neg
Neg	Neg
Neg	Neg
Pos	Neg
Pos	Pos
Pos	Neg
Pos	Neg
Neg	Pos
Neg	Pos
Neg	Pos
Pos	Pos
Pos	Pos
Pos	Neg
Pos	Neg
Neg	Neg
Neg	Pos
Neg	Pos

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Sample #	age	received	associated with	new	prognosis request
160	75			1	60
161	68			1	60
162	75			1	60
163	68			1	60
164	59			1	60
165	56			1	60
166	49			1	60
167	63			1	60
168	79			1	60
169	75			1	60
170	68		h87.306		60
171	59				60
172	79				60
173	75				60
174	68	07/31/1996			60
175	59			1	60
176	75			1	60
177	68			1	60
178	59				60
179	79			1	60
180	68			1	60
181	66			1	60
182	67				60
183	72			1	60
184	79				60
185	75	07/31/1996			60
186	68				60
187	59				60
188	56				60
189	49				60
190	63				60
191	66				60
192	79				60
193	55	07/31/1996			60
194	53				60
195	82			1	60
196	62				60
197	63	07/31/1996			60
198	66	07/31/1996			60
199	68	07/31/1996			60
200	75	07/31/1996			60
201	68	07/31/1996			60
202	59	07/31/1996			60
203	56				60
204	68				60
205	59				60
206	56				60
207	49				60
208	63		h91.273		60
209	66		h92.636		60
210	79	07/31/1996			60
211	63	07/31/1996			60
212	66			1	60

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Histo initial

ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal

mixed ductal and lobular

ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal

b ductal+DCIS
b ductal+DCIS
b ductal+DCIS
b ductal+DCIS
b ductal+DCIS

ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal
ductal

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

normal glands quite diluted, not every punch will hit

mild mastopathia

very large normal tissue areas, search for primary tumor
jejunal meta
lung meta of h89.411
difficult, clarify

slight fibrosis and mild sclerosing adenosis
normal glands quite diluted, not every punch will hit

extensive sclerosing adenosis, intraductal involvement difficult to see in sclerosing adenosis
differential diagnosis: papillary tumor

2: frozen but larger than 1
high grade, same as h88.146

dcis
dcis
DCIS
dcis
dcis
dcis
dcis
dcis
dcis

SEARCH FOR PREVIOUS BIOPSY! dcis too small to be used

SEARCH FOR PREVIOUS BIOPSY!,
microinvasion?
Small foci of microinvasion
dcis quite small

dob 16.8.25

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

resection border	array	Histotyp GS	sex	category
	y	ductal	f	ca
		ductal		ca
		ductal		ca
		ductal	f	ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal	f	ca
		ductal	f	ca
		ductal		ca
f	y	ductal	f	ca
		ductal	f	ca
		ductal	f	ca
	BR50	ductal	f	ca
pos		ductal		ca
f	no	ductal		ca
		ductal		ca
		ductal		ca
	ev	ductal	f	ca
	y	ductal	f	ca
		ductal		ca
n	y	ductal	f	ca
		ductal	f	ca
		ductal		ca
free	BR50	ductal	f	ca
free	BR50	ductal	f	ca
free	ev	ductal	f	ca
free	n	ductal	f	ca
free	n	ductal	f	ca
n	y	ductal	f	ca
	BR50	ductal	f	ca
		ductal		ca
free	ev	ductal	f	ca
f	ev	ductal		ca
free		ductal	f	ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal		ca
		ductal	f	ca
free		ductal	f	ca
		ductal	f	ca
free		ductal	f	ca
not free		ductal	f	ca
free		ductal	f	ca
free		ductal	f	ca
		ductal		ca
		ductal		ca
	n	ductal		ca

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

secondary type	Tub GS	Poly GS	mito gs	DCIS type
	3	3	2	
	2	2	1	
	3	2	1	
	2	3	1	
	3	3	2	
	3	2	2	
	2	3	2	solid, crib, pap low grade
	3	2	1	sol/crib,pap high
	1	2	1	
				sol/crib low grade, komedo necr
				solid, crib w. comedonecr
				solid low w comedonecr
				cribr, high w. comedonecr
				comedo high
				solid/cribriform low
				comedo high
				crib low
	?	?	?	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

tumor slides dcis slides lcis slides

1; 2; 3; 4

1 to 5

1; 2

1 to 6

1; 2; 3

1

1

1

1; 2 fs

1 to 4

1; 2; 3

1; 2; 3

1; 2; 3; 4

1

1

1

1; 2

2

1; 2

1; 3

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides	normal slides 1; 2; 3	meta slides
	1 to 6	
1; 2; 3		
1 to 7	1 to 7	
	1 to 11	
	1	
	1; 2; 3	
	b91.5863	b91.5863

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta	normal skin	normal mamilla	normal nodes	normal muscle
--------------	-------------	----------------	--------------	---------------

1; 2; 3; 4; 5				
1				

1; 2; 3; 4; 5

2

1

2

2

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

6: no jejunum

1; 2; 3; 4: 5: massive sclerosing adenosis

2: fat necrosis

1 scar formation, fat necrosis

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

cut slides	slide 1 cancer
------------	----------------

1; 6	2
1	2
1	0.9

0

1.5

1; 2	1.5
------	-----

1.2

0.8

0.3

0

1	0.3
---	-----

1	0.5
---	-----

0

1; 2; 3; 4

1

1

1

1; 2	0
------	---

1; 2; 3	0.1
---------	-----

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 1 DCIS	slide 1 normal 0.8	slide 2 cancer
	2	
	2.5	
0	0	
0	0	
0	1	0
	1	
	3	
		2
0.4	0	0.6
0	0	1.3
0	0	0.8
0	0	0
1	0	0
0.6	0	0
0	0	
0.7	0	0
0.7		
0.1		
0.3		
0.3		
0.4	0	0
0.5	0	0
0.3		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 2 DCIS	slide 2 normal 0.8	slide 3 cancer	slide 3 DCIS
	2.5		
	1.5		
0	1.3	0	0
	2.5		
		1.5	
0			
0	0	1	0
0	0	0.3	0
0	0	0	0
1	0	0	0.7
0.9	0	0	0.4
0.4	0	0	0.5
0.5			0.4
0.2	0		
0.7	0	1.3	0
			0.5

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 3 normal	slide 4 cancer	slide 4 DCIS	slide 4 normal
0.8			
1.5			1
0.7			0.4
1	0	0	0.8
3	2		
0	1.2	0	0
0	0	0	0
0	0	?	0
0			
0			
		0.7	
0			

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer slide 5 DCIS slide 5 normal slide 6 cancer slide 6 DCIS

1.3

0	0	0.8	0	0
1				
1	0	0	0.4	0
0	0	0		

[illegible][illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

2nd DCIS type	2nd Tub GS	2nd Poly GS	2nd mito gs
---------------	------------	-------------	-------------

2nd DCIS type
 2nd Tub GS
 2nd Poly GS
 2nd mito gs

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

HER-2/Neu	ER
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Neg
Pos	Neg
Pos	Neg
Pos	Neg
Neg	Pos
Neg	Neg
Neg	Neg
Pos	Pos
Pos	Pos
Pos	Neg
Pos	Pos
Pos	Pos
Pos	Pos
Neg	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Neg
Pos	Neg
Neg	Pos
Neg	Pos
Neg	Pos
Neg	Pos
Pos	Pos
Pos	Neg
Neg	Neg
Neg	Neg
Neg	Neg
Neg	Pos
Neg	Pos
Neg	Neg
Neg	Neg
Neg	Neg
Pos	Pos
Pos	Pos
Pos	Pos
Neg	Neg
Neg	Neg
Pos	Pos
Pos	Pos
Pos	Pos
Pos	Pos

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Sample #	age	received	associated with	new	prognosis request
213	68			1	60
214	75			1	60
215	68	07/31/1996			60
216	56			1	60
217	68			1	60
218	59			1	60
219	56			1	60
220	49			1	60
221	63			1	60
222	66			1	60
223	79			1	60
224	55			1	60
225	53			1	60
226	61	07/31/1996			60
227	68	07/31/1996			60
228	59	07/31/1996			60
229	56	07/31/1996			60
230	68			1	60
231	59			1	60
232	56			1	60
233	68			1	60
234	75			1	60
235	68			1	60
236	59			1	60
237	56			1	60
238	68			1	60
239	59			1	60
240	56			1	60
241	49			1	60
242	63				60
243	66				60
244	79				60
245	55				60
246	53				60
247	61				60
248	68				60
249	59				60
250	56		h87.264		60
251	68				60
252	56				60
253	49				60
254	56				60
255	49				60
256	63				60
257	66		h91.939		60
258	79				60
259	55				60
260	53				60
261	61				60
262	68				60
263	59				60
264	56				60
265	68				60

[illegible][illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

only fragments of cancer

only residual tumor
only few residual tumor; dob 13.9.17
micro res tumor
residual tumor

residual cancer contained in bx

SEARCH FOR PREVIOUS BIOPSY!
SEARCH FOR PREVIOUS BIOPSY!

residual tumor

after h90.632
too small

very small dcis
cancer previously resected
SEARCH FOR PREVIOUS BIOPSY!, meta

very small dcis
SEARCH FOR PREVIOUS BIOPSY! small residual tumor

SEARCH FOR PREVIOUS BIOPSY!

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

pT	pN	nodes all	nodes pos	diameter/mm	surgery
1	0		0		
1	0		0		I
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0	11	0		mast
1	0	13	0		m
1	0	7	0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0	22	0		mastectomy
1	0		0		I
1	0		0		
1	0		0		
1	0		0		
1	0	13	0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0	15	0	x	mastectomy
1	0	9	0		lumpectomy
1	0		0		
1	0		0		
1	0		0		
1	0	5	0	x	mastectomy
1	0	?	0	x	lumpectomy
1	0	24	0	x	lumpectomy
1	0		0		
1	0		0		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

secondary type	Tub GS	Poly GS	mito gs	DCIS type
2				
2				
2				
2				
2				
2				
2				
2				
2				
2				
2				
2				
2				
2				
3				

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

tumor slides	dcis slides	lcis slides
--------------	-------------	-------------

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides	normal slides	meta slides
--------------------	---------------	-------------

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta	normal skin	normal mamilla	normal nodes	normal muscle
--------------	-------------	----------------	--------------	---------------

3

3

4

1; 2; 3

1; 2; 3

2

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others

2: scar formation, fat necrosis
1; 2; 3; 4; 5 scar formation, fat necrosis

1; 3 scar formation, 2; 3 fat necrosis

1: fat necrosis

1; 2: scar formation

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

cut slides

slide 1 cancer

1

0

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 1 DCIS

slide 1 normal

slide 2 cancer

0

1.5

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 2 DCIS

slide 2 normal

slide 3 cancer

slide 3 DCIS

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 3 normal

slide 4 cancer

slide 4 DCIS

slide 4 normal

229

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer slide 5 DCIS slide 5 normal slide 6 cancer slide 6 DCIS

230

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

2nd DCIS type	2nd Tub GS	2nd Poly GS	2nd mito gs
---------------	------------	-------------	-------------

20250606 14:00:00

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Sample #	age	received	associated with	new	prognosis request
266	78				60
267	79				60
268	55				60
269	53				60
270	82				60
271	62				60
272	63				60
273	66			1	60
274	67			1	60
275	72			1	60
276	79		h92.960		60
277	75	07/31/1996			60
278	68				60
279	59				60
280	56				60
281	49				60
282	63		h87.1535		60
283	79				60
284	55		b89.6893		60
285	53		b89.8602		60
286	82		b91.2889		60
287	62		b91.5691		60
288	66		b91.6053		60
289	67		b91.5890		60
290	63		h87.1180		60
291	66				60
292	67				60
293	72				60
294	79				60
295	75				60
296	68				60
297	77				60
298	76				60
299	63				60
300	62				60
301	63				60
302	66				60
303	67				60
304	72				60
305	79				60
306	75				60
307	68				60
308	75				60
309	68				60
310	59				60
311	56				60
312	49				60
313	63				60
314	79				60
315	75				60
316	68				60
317	59				60
318	79				60

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Histo initial

[illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks
SEARCH FOR PREVIOUS BIOPSY!

most likely non invasive DCIS

atypia ?

Many meta of lobular cancer
recurrence, get primary tumor: b86.3889, dob 23.10.23

2 foci, distance unclear (second cancer blocks 4-5)
also inflammation

residual cancer.

SEARCH FOR PREVIOUS BIOPSY!
SEARCH FOR PREVIOUS BIOPSY!

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

pT	pN	nodes all	nodes pos	diameter/mm	surgery
1	0	15	0	x	lumpectomy
1	0		0		
1	0		0		
1	0		0		
1	0	0	0	25	lumpectomy
1	0		0	7	lumpectomy
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0	21	0	x	mastectomy
1	0		0	3?	I
1	0	0	0	10	mastectomy
1	0		0	23	lumpectomy
1	0		0		
1	0		0		lumpectomy
1	0		0	h87.1535	m
1	0	15	0	6	mastectomy
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0		0		
1	0	many	0		m
1	0		0		
1	0	9	0		m
1	0		0		m
1	0		0		
1	0		0		
1	0		0		
1	0		0		mastectomy
1	0		0		mastectomy
1	0		0		mastectomy
1	0		0		mastectomy
1	0		0		mastectomy
1	0		0		mastectomy
1	0	19	0		mastectomy
1	0	8	0		mastectomy
1	0	20	0		mastectomy
1	0	18	0		mastectomy
1	0	7	0		mastectomy
1	0	10	0		mastectomy
1	0	8	0		mastectomy
1	0	0	0		mastectomy
1	0	0	0		mastectomy
1	0	21	0		mastectomy
1	0	17	0		mastectomy
1	0	4	0		mastectomy
1	0	0	0		mastectomy
1	0	0	0		mastectomy
1	0		0		mastectomy
1	0		0		mastectomy
1	0		0		mastectomy

[illegible][illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

secondary type	Tub GS	Poly GS	mito gs	DCIS type
	1	2	1	solid, crib low
	1	2	1	
	3	2	1	
	5			
	3			
	3			
	3			
	2			
	2	1		
	1	1		
	3	1		
	2	2		
	2	1		
	3	2		
	3	2		
	2	2		
	3	1		
	3	1		
	3	1		
	3	1		
	3	3		
	3	2		
	2	2		
	3	1		
	3	2		
	2	2		
	3	1		
	3	1		
	1	1		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

tumor slides	dcis slides	lcis slides
--------------	-------------	-------------

	1 to 13	
--	---------	--

1; 2		
1		

1; 2		
1; 2; 3		
1		

	3; 4; 5	
--	---------	--

1		
---	--	--

1; 2		
------	--	--

	4	
--	---	--

3		
---	--	--

5 to 11		
1; 2; 3; 4		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

mastopathia slides	normal slides	meta slides
	14	
	1	
	1	2; 3; 4; 5; 6
		2; 3
	3	1; 2
	3 to 6	1; 2
	2; 3	1
		1 to 4
		5
		1; 2; 3
		1; 2; 3; 4
		1; 2

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta	normal skin	normal mamilla	normal nodes	normal muscle
			1	2; 3

1

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

others
 2: scar formation

1: papilloma
 1; 2: papilloma

1: papillomatosis (DM 0,7)

1; 3; 3: papilloma

4: difficult dcis, lobular cancerisation, and invasive component

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

cut slides	slide 1 cancer
------------	----------------

	0.6
	0.6
	0.6

all	0.5
1	0.8

	0.3
--	-----

	1.2
	1.8
	2
	0.5
	2
	0.7
	3

1	3
1	2.5

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 1 DCIS	slide 1 normal	slide 2 cancer
--------------	----------------	----------------

0	0	0.3
		0.3
	1.5	
	0.8	
0	0	0.4
0	0	
		1
0	0	0.5
0	0	2
0	0	0.7
0	0	0
0	0	1.5
0	0	0.5
		2
		1

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 2 DCIS	slide 2 normal	slide 3 cancer	slide 3 DCIS
--------------	----------------	----------------	--------------

0	0		
0	0	0	2.5
		2	
0	0	0	0
0	0		
0	0	0.8	0
0	0.4	0	0
0	0	1	0
0	0	0.2	0
		2	
		2.8	

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 3 normal	slide 4 cancer	slide 4 DCIS	slide 4 normal
----------------	----------------	--------------	----------------

0	0	1	0
3			
0.6	0	0	0.6
0.3			
0	0.4	0	0
0	0.5	0	0
	1.5		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer	slide 5 DCIS	slide 5 normal	slide 6 cancer	slide 6 DCIS
----------------	--------------	----------------	----------------	--------------

0	1	0		
0	0	0.6	0	0
1	0	0	1	0
0.3	0	0		

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 6 normal	BNr second resection	BR50.def	Survival
			60
			60
			60
			60
			60
			60
			60
			60
			60
			60
			60
			60
			60
			60
	b91.7739	1	60
			60
			60
			60
	b89.6968		60
			60
			60
0.4			60
0			

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

BR50 pos	BNr1 status	Chemotherapy	Radiation	Hormonal
54	ok	NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
	ok	NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
	ok	NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

2nd DCIS type	2nd Tub GS	2nd Poly GS	2nd mito gs
----------------------	-------------------	--------------------	--------------------

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

Sample #	age	received	associated with	new	prognosis request
319	75				60
320	68				60
321	59				60
322	75				60
323	68				60
324	68				60
325	59				60
326	79				60
327	75				60
328	79				60
329	75				60
330	68				60
331	59				60
332	75				60
333	68				60
334	59				60
335	79				60
336	75				60
337	68				60
338	66				60
339	67				60
340	72				60
341	76				60
342	63				60
343	62				60
344	63				60
345	66				60
346	67				60
347	72				60
348	79				60
349	75				60
350	79				60
351	75				60
352	68				60
353	75				60
354	69				60
355	77				60
356	76				60
357	63				60
358	66				60
359	67				60
360	79				60

[illegible][illegible]

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

remarks

residual cancer contained in bx

SEARCH FOR PREVIOUS BIOPSY!
SEARCH FOR PREVIOUS BIOPSY!

residual tumor

after h90.632
too small

very small dcis
cancer previously resected
SEARCH FOR PREVIOUS BIOPSY!, meta

very small dcis
! small residual tumor

SEARCH FOR PREVIOUS BIOPSY!

SEARCH FOR PREVIOUS BIOPSY!

most likely non invasive DCIS

[illegible][illegible]

Year	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020
Population	1,000,000	1,500,000	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000	5,000,000	5,500,000	6,000,000	6,500,000	7,000,000	7,500,000	8,000,000	8,500,000
GDP	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Unemployment	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Inflation	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%
Interest Rate	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Government Spending	10%	12%	14%	16%	18%	20%	22%	24%	26%	28%	30%	32%	34%	36%	38%	40%
Debt to GDP	10%	12%	14%	16%	18%	20%	22%	24%	26%	28%	30%	32%	34%	36%	38%	40%
Life Expectancy	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
Healthcare Spending	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Education Spending	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%
Research and Development	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%
Trade Openness	10%	12%	14%	16%	18%	20%	22%	24%	26%	28%	30%	32%	34%	36%	38%	40%
Environmental Protection	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%
Corruption Index	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Gender Equality	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125
Human Development Index	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
Global Warming Index	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Renewable Energy	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%
Digitalization Index	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Urbanization	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%	100%	100%	100%	100%	100%
Immigration	10%	12%	14%	16%	18%	20%	22%	24%	26%	28%	30%	32%	34%	36%	38%	40%
Refugees	100,000	150,000	200,000	250,000	300,000	350,000	400,000	450,000	500,000	550,000	600,000	650,000	700,000	750,000	800,000	850,000
Climate Change	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Disaster Preparedness	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Peacekeeping	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Counterterrorism	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	4

Year	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020
Population	1,000,000	1,500,000	2,000,000	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000	5,000,000	5,500,000	6,000,000	6,500,000	7,000,000	7,500,000	8,000,000	8,500,000
GDP	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Unemployment	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Inflation	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%
Interest Rate	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Government Spending	10%	12%	14%	16%	18%	20%	22%	24%	26%	28%	30%	32%	34%	36%	38%	40%
Debt to GDP	10%	12%	14%	16%	18%	20%	22%	24%	26%	28%	30%	32%	34%	36%	38%	40%
Life Expectancy	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
Healthcare Spending	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
Education Spending	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%
Research and Development	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%
Trade Openness	10%	12%	14%	16%	18%	20%	22%	24%	26%	28%	30%	32%	34%	36%	38%	40%
Environmental Protection	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%
Corruption Index	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Gender Equality	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125
Human Development Index	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
Global Warming Index	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Renewable Energy	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%
Digitalization Index	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Urbanization	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%	100%	100%	100%	100%	100%
Immigration	10%	12%	14%	16%	18%	20%	22%	24%	26%	28%	30%	32%	34%	36%	38%	40%
Refugees	100,000	150,000	200,000	250,000	300,000	350,000	400,000	450,000	500,000	550,000	600,000	650,000	700,000	750,000	800,000	850,000
Climate Change	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Disaster Preparedness	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Peacekeeping	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Counterterrorism	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	4

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

secondary type	Tub GS	Poly GS	mito gs	DCIS type
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		3		
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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

tumor slides	dcis slides	lcis slides
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meta slides

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

distant meta	normal skin	normal mamilla	normal nodes	normal muscle
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bcl-2a Breast Cancer TMA data Oncology Data

others

slide 1 cancer

slide 2 cancer

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 2 DCIS

slide 2 normal

slide 3 cancer

slide 3 DCIS

1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2

slide 4 normal

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

slide 5 cancer slide 5 DCIS slide 5 normal slide 6 cancer slide 6 DCIS

[illegible]

Survival

Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

BR50 pos	BNr1 status	Chemotherapy	Radiation	Hormonal
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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

2nd DCIS type	2nd Tub GS	2nd Poly GS	2nd mito gs
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Appendix A
Table 12
bcl-2a Breast Cancer TMA data Oncology Data

HER-2/Neu	ER
Pos	Pos
Pos	Pos
Pos	Neg
Neg	Neg
Neg	Neg
Pos	Neg
Pos	Pos
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Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
1	3/4	4/3	3/3	Neg	Neg	66
2	4/4	2/3	4/3	Neg	Neg	55
3	3/3	3/3	3/4	Neg	Neg	75
4	3/4	3/4	4/4	Neg	Neg	77
5	4/3	4/3	3/3	Neg	Pos	81
6	4/3	4/4	3/4	Neg	Pos	33
7	3/3	4/3	4/4	Pos	Pos	75
8	4/3	4/3	4/3	Pos	Pos	77
9	3/4	3/3	4/3	Pos	Neg	76
10	4/4	4/3	3/3	Pos	Neg	51
11	3/3	2/3	4/3	Neg	Neg	45
12	3/4	3/4	2/3	Neg	Pos	65
13	4/3	2/3	3/3	Neg	Pos	69
14	4/3	2/4	4/3	Pos	Pos	61
15	3/3	2/3	2/3	Pos	Neg	68
16	4/3	4/4	3/3	Pos	Neg	78
17	2/3	3/3	3/4	Pos	Neg	79
18	3/3	3/4	2/3	Pos	Pos	55
19	3/4	4/3	3/3	Pos	Pos	53
20	2/3	3/3	3/4	Neg	Pos	82
21	3/3	4/3	4/4	Neg	Pos	62
22	3/4	2/3	3/3	Pos	Pos	63
23	4/3	3/3	3/4	Pos	Pos	66
24	4/4	3/3	4/3	Pos	Neg	67
25	4/3	1/1	4/3	Pos	Neg	72
26	4/3	1/2	3/3	Pos	Neg	79
27	3/3	2/1	4/3	Pos	Pos	75
28	4/3	2/1	3/4	Pos	Pos	68
29	2/3	2/3	4/4	Pos	Pos	77
30	3/3	3/3	3/3	Pos	Pos	76
31	3/4	3/4	3/4	Pos	Pos	51
32	2/3	2/3	4/3	Neg	Pos	45
33	3/3	3/3	3/3	Neg	Neg	69
34	3/4	3/4	3/4	Neg	Neg	61

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
35	4/4	4/4	4/4	Neg	Neg	68
36	3/3	3/3	3/3	Neg	Neg	78
37	3/4	3/4	3/4	Neg	Neg	79
38	4/3	4/3	4/3	Pos	Pos	55
39	4/3	4/3	4/3	Pos	Pos	53
40	3/3	3/3	3/3	Pos	Pos	82
41	4/3	4/3	4/3	Pos	Pos	62
42	3/4	3/4	3/4	Neg	Neg	63
43	4/4	4/4	4/4	Neg	Neg	66
44	3/3	3/3	3/3	Neg	Neg	67
45	3/4	3/4	3/4	Neg	Neg	72
46	4/3	4/3	4/3	Neg	Neg	79
47	2/3	2/3	2/3	Pos	Pos	75
48	3/3	3/3	3/3	Pos	Pos	68
49	3/4	3/4	3/4	Pos	Pos	59
50	4/3	4/3	4/3	Neg	Neg	56
51	4/4	4/4	4/4	Neg	Neg	49
52	4/3	4/3	4/3	Neg	Neg	63
53	2/4	4/3	4/4	Neg	Neg	79
54	2/3	2/2	3/3	Neg	Neg	55
55	1/1	1/2	3/4	Neg	Neg	53
56	1/1	1/2	4/4	Neg	Neg	82
57	1/2	2/2	4/3	Neg	Neg	62
58	2/3	2/3	4/3	Neg	Neg	63
59	3/3	2/4	3/3	Neg	Neg	66
60	3/4	2/3	4/3	Neg	Neg	67
61	2/3	4/4	2/3	Neg	Neg	72
62	3/3	3/3	3/3	Neg	Neg	79
63	2/3	3/4	3/4	Neg	Neg	75
64	2/4	4/3	2/3	Neg	Neg	68
65	3/4	2/3	3/3	Neg	Neg	59
66	4/3	2/3	3/4	Neg	Neg	56
67	4/3	3/4	4/4	Neg	Neg	49
68	3/3	4/3	4/3	Neg	Neg	63
69	4/3	4/3	3/4	Neg	Neg	79

Table 13
bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
70	2/3	3/3	4/4	Neg	Neg	55
71	3/3	4/3	3/3	Neg	Neg	53
72	3/4	3/4	3/4	Neg	Neg	82
73	2/3	4/4	4/3	Neg	Neg	62
74	3/3	3/3	3/4	Neg	Neg	63
75	3/4	3/4	3/4	Neg	Neg	66
76	4/3	4/4	4/3	Neg	Neg	67
77	4/3	4/3	4/3	Neg	Neg	72
78	3/4	4/3	3/4	Neg	Neg	79
79	4/4	3/3	4/4	Pos	Pos	75
80	3/3	3/4	3/3	Neg	Neg	68
81	3/4	2/3	3/4	Neg	Neg	59
82	4/3	3/3	4/3	Neg	Neg	79
83	2/3	3/4	2/3	Neg	Neg	75
84	3/3	4/3	3/3	Neg	Neg	68
85	3/3	4/3	3/4	Pos	Pos	59
86	3/4	3/4	4/3	Pos	Pos	56
87	4/3	4/4	4/4	Neg	Neg	49
88	2/3	3/3	4/3	Neg	Neg	63
89	3/3	2/3	NA	Neg	Neg	66
90	3/4	2/2	3/3	Pos	Pos	79
91	4/3	2/3	4/3	Pos	Pos	55
92	4/4	3/3	2/3	Pos	Pos	53
93	4/3	3/4	3/4	Pos	Pos	82
94	2/3	4/3	4/3	Pos	Pos	62
95	2/2	4/4	4/3	Pos	Pos	63
96	3/3	4/3	3/3	Neg	Neg	66
97	4/3	4/3	NA	Neg	Neg	67
98	3/4	4/3	3/4	Pos	Pos	72
99	4/4	3/3	4/4	Pos	Pos	79
100	3/3	4/3	2/3	Pos	Pos	75
101	3/4	3/4	2/2	Pos	Pos	68
102	4/4	4/4	3/4	Pos	Pos	59
103	NA	3/3	4/4	Pos	Pos	56
104	4/3	3/4	3/3	Pos	Pos	49

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Table 13
Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
105	3/3	4/4	3/4	Neg	Neg	79
106	4/3	4/3	4/3	Neg	Neg	55
107	2/3	4/3	2/3	Pos	Pos	41
108	3/3	3/3	3/3	Pos	Pos	49
109	3/4	4/3	3/4	Pos	Pos	53
110	2/3	2/3	4/3	Pos	Pos	61
111	3/3	3/3	4/4	Pos	Pos	66
112	3/4	3/4	4/3	Pos	Pos	68
113	4/4	2/3	4/3	Pos	Pos	59
114	3/3	3/3	3/3	Pos	Pos	56
115	3/4	3/4	4/3	Pos	Pos	49
116	4/3	4/4	2/3	Pos	Pos	63
117	4/3	4/3	3/4	Neg	Neg	79
118	3/3	3/4	4/3	Neg	Neg	75
119	4/3	4/4	4/3	Neg	Neg	68
120	3/4	3/3	3/3	Pos	Pos	59
121	4/4	3/4	4/3	Pos	Pos	79
122	3/3	4/3	2/3	Neg	Neg	75
123	3/4	3/4	3/3	Neg	Neg	68
124	4/3	4/4	3/4	Neg	Neg	59
125	3/4	3/3	4/3	Pos	Pos	56
126	4/4	3/4	4/4	Pos	Pos	49
127	3/3	4/3	4/3	Pos	Pos	63
128	3/4	2/3	4/3	Pos	Pos	79
129	4/3	3/3	3/4	Neg	Neg	75
130	2/3	3/4	4/4	Pos	Neg	68
131	3/3	4/3	3/3	Neg	Pos	59
132	3/4	4/4	3/4	Neg	Pos	79
133	4/3	4/3	4/3	Pos	Pos	75
134	4/4	4/3	2/3	Pos	Pos	68
135	4/3	3/3	3/3	Pos	Pos	59
136	4/3	4/3	3/4	Pos	Neg	68
137	3/3	3/3	4/3	Pos	Neg	59
138	4/3	3/4	4/4	Neg	Neg	56
139	2/3	4/3	4/3	Neg	Neg	49

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
140	3/4	3/4	4/3	Neg	Neg	63
141	4/4	4/4	3/3	Neg	Neg	63
142	3/3	3/3	4/3	Pos	Neg	66
143	3/4	3/4	2/3	Pos	Pos	67
144	4/4	4/3	3/4	Pos	Neg	72
145	4/3	2/3	4/3	Pos	Neg	79
146	4/3	3/3	4/3	Neg	Pos	75
147	3/3	3/4	3/3	Neg	Pos	68
148	4/3	4/3	4/3	Neg	Pos	77
149	2/3	4/4	2/3	Pos	Pos	76
150	3/3	4/3	3/3	Pos	Pos	63
151	3/4	4/3	3/4	Pos	Neg	62
152	2/3	3/4	2/3	Pos	Neg	63
153	3/3	4/4	3/3	Neg	Neg	66
154	3/4	3/3	3/4	Neg	Pos	67
155	4/4	3/4	4/4	Neg	Pos	72
156	3/3	4/3	3/3	Pos	Pos	79
157	3/4	2/3	3/4	Pos	Pos	75
158	4/3	3/3	3/3	Pos	Pos	68
159	4/3	3/4	3/4	Pos	Pos	75
160	3/3	4/3	4/3	Pos	Pos	68
161	4/3	4/4	3/4	Pos	Pos	59
162	3/4	4/3	4/4	Pos	Pos	56
163	4/4	4/3	3/3	Pos	Pos	49
164	3/3	3/3	2/3	Pos	Pos	63
165	3/4	4/3	4/4	Pos	Pos	79
166	4/3	2/3	3/3	Pos	Neg	75
167	3/4	3/3	3/3	Pos	Neg	68
168	4/4	3/3	4/3	Pos	Neg	59
169	3/3	1/1	2/3	Pos	Neg	79
170	3/4	1/2	3/3	Neg	Pos	75
171	4/3	2/1	3/4	Neg	Neg	68
172	3/4	2/1	3/3	Neg	Neg	59
173	4/4	2/2	3/3	Pos	Pos	75
174	3/3	4/4	3/4	Pos	Pos	68

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Table 13
Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
175	3/4	3/3	4/3	Pos	Neg	59
176	4/3	3/4	4/3	Pos	Pos	79
177	2/3	4/3	3/4	Pos	Pos	68
178	3/3	2/3	4/4	Neg	Pos	66
179	3/3	3/3	3/3	Pos	Pos	67
180	3/3	3/4	3/4	Pos	Pos	72
181	2/2	4/3	4/3	Pos	Pos	79
182	1/2	4/4	2/3	Pos	Pos	75
183	2/2	4/3	2/4	Pos	Neg	68
184	2/3	2/3	2/3	Pos	Pos	59
185	2/4	2/4	4/4	Neg	Pos	56
186	2/3	2/3	3/3	Neg	Pos	49
187	1/1	1/1	3/4	Neg	Pos	63
188	1/1	1/1	4/3	Neg	Pos	66
189	1/2	1/2	3/3	Pos	Pos	79
190	2/1	2/1	4/3	Pos	Neg	55
191	2/1	2/1	2/3	Neg	Neg	53
192	2/2	2/2	3/3	Neg	Neg	82
193	2/2	2/2	3/3	Neg	Neg	62
194	1/2	1/2	1/1	Neg	Pos	63
195	2/2	2/3	1/2	Neg	Pos	66
196	2/3	2/4	2/1	Neg	Neg	68
197	2/4	2/3	2/1	Neg	Neg	75
198	2/3	4/4	2/2	Neg	Neg	68
199	4/4	3/3	4/4	Pos	Pos	59
200	3/3	3/4	3/3	Pos	Pos	56
201	3/4	4/3	3/4	Pos	Pos	68
202	4/3	2/3	4/3	Neg	Neg	59
203	2/3	2/2	2/3	Neg	Neg	56
204	2/2	2/1	3/3	Pos	Pos	49
205	2/1	2/3	3/4	Pos	Pos	63
206	2/3	3/3	4/3	Pos	Pos	66
207	3/3	3/3	4/4	Pos	Pos	79
208	3/3	3/3	4/3	Pos	Pos	63
209	3/3	2/2	2/3	Pos	Pos	66

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Table 13

Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
210	2/2	1/2	2/4	Pos	Pos	68
211	1/2	2/1	2/3	Pos	Pos	75
212	2/2	2/1	1/1	Pos	Pos	68
213	2/3	2/2	2/2	Pos	Pos	56
214	2/3	2/2	2/1	Pos	Pos	68
215	2/4	1/2	2/3	Pos	Pos	59
216	2/3	2/2	3/3	Pos	Pos	56
217	1/1	2/3	3/3	Pos	Pos	49
218	1/1	2/4	3/3	Pos	Pos	63
219	1/2	2/3	2/2	Pos	Pos	66
220	2/1	4/4	1/2	Pos	Pos	79
221	2/1	3/3	1/2	Pos	Pos	55
222	2/2	3/4	2/2	Pos	Pos	53
223	3/4	4/3	2/3	Pos	Pos	61
224	4/3	3/3	2/4	Pos	Pos	68
225	2/3	4/3	2/3	Pos	Pos	59
226	2/2	2/3	4/4	Pos	Pos	56
227	2/1	3/3	3/3	Pos	Pos	68
228	2/3	3/3	3/4	Pos	Pos	59
229	3/3	1/1	4/3	Pos	Neg	56
230	3/3	1/2	2/3	Pos	Pos	68
231	3/3	2/1	2/2	Pos	Pos	75
232	2/2	2/1	2/1	Pos	Neg	68
233	1/2	2/2	2/3	Pos	Pos	59
234	2/2	4/4	4/3	Pos	Pos	56
235	2/3	3/3	3/3	Pos	Pos	68
236	2/3	3/4	4/3	Pos	Pos	59
237	2/4	4/3	2/3	Pos	Pos	56
238	2/3	2/3	3/3	Pos	Pos	49
239	1/1	3/3	3/3	Pos	Pos	63
240	1/1	3/4	1/1	Pos	Pos	66
241	1/2	4/3	1/2	Pos	Pos	79
242	2/1	4/4	2/1	Pos	Pos	55
243	2/1	4/3	2/1	Neg	Pos	53
244	2/2	2/3	2/2	Neg	Pos	61

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
245	4/3	2/4	4/4	Neg	Pos	68
246	2/3	2/3	3/3	Neg	Pos	59
247	2/2	1/1	3/4	Pos	Pos	56
248	2/1	2/2	4/3	Pos	Pos	68
249	2/3	2/1	2/3	Pos	Pos	56
250	3/3	2/3	3/3	Pos	Pos	49
251	3/3	3/3	3/4	Pos	Pos	56
252	3/3	3/3	4/3	Pos	Pos	49
253	2/2	3/3	4/4	Pos	Pos	63
254	1/2	2/2	4/3	Pos	Pos	66
255	2/2	1/2	2/3	Pos	Pos	79
256	2/3	1/2	2/4	Pos	Pos	55
257	2/3	2/2	2/3	Pos	Pos	53
258	2/4	2/3	1/1	Pos	Pos	61
259	2/3	2/4	2/2	Pos	Pos	68
260	4/4	2/3	2/1	Pos	Pos	59
261	4/3	4/4	2/3	Pos	Pos	56
262	4/3	3/3	3/3	Pos	Pos	68
263	3/3	3/4	3/3	Pos	Pos	78
264	4/3	4/3	3/3	Pos	Pos	79
265	4/3	2/3	2/2	Pos	Pos	55
266	2/2	2/2	1/2	Pos	Pos	53
267	2/1	2/1	1/2	Pos	Pos	82
268	2/3	2/3	2/3	Neg	Neg	62
269	3/3	3/3	2/4	Neg	Neg	63
270	3/3	3/3	2/3	Neg	Neg	66
271	3/3	3/3	1/1	Neg	Neg	67
272	2/2	2/2	1/1	Pos	Neg	72
273	1/2	3/3	1/2	Pos	Neg	79
274	1/2	4/3	2/1	Neg	Neg	75
275	2/2	3/3	2/1	Neg	Neg	68
276	2/3	3/4	2/2	Neg	Neg	59
277	2/4	4/3	2/2	Neg	Neg	56
278	2/3	2/2	1/2	Neg	Pos	49
279	3/3	2/3	2/3	Neg	Pos	63

Table 13

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
280	4/3	2/3	2/4	Neg	Pos	79
281	3/3	2/4	2/3	Neg	Neg	55
282	3/4	2/3	4/4	Pos	Neg	53
283	4/3	3/3	3/3	Pos	Pos	82
284	3/4	4/3	3/4	Pos	Pos	62
285	4/4	3/3	4/3	Neg	Pos	66
286	3/3	2/3	2/3	Pos	Pos	67
287	3/4	3/3	2/2	Pos	Pos	63
288	4/3	3/3	2/1	Pos	Pos	66
289	2/3	3/3	2/3	Pos	Pos	67
290	3/3	2/2	3/3	Pos	Pos	72
291	3/4	1/2	3/3	Pos	Pos	79
292	4/3	2/2	3/3	Pos	Pos	75
293	4/4	2/3	2/2	Pos	Neg	68
294	4/3	2/3	1/2	Pos	Neg	77
295	4/3	2/4	2/1	Pos	Neg	76
296	3/4	2/3	3/3	Pos	Neg	63
297	4/4	1/1	2/2	Neg	Pos	62
298	3/3	2/2	1/2	Neg	Pos	63
299	3/4	1/2	2/2	Neg	Pos	66
300	4/3	2/1	4/4	Neg	Neg	67
301	2/3	3/3	3/3	Pos	Neg	72
302	3/3	2/2	3/4	Pos	Pos	79
303	3/4	1/2	4/3	Neg	Pos	75
304	4/3	2/2	2/3	Neg	Pos	68
305	4/4	4/4	3/3	Neg	Pos	75
306	4/3	3/3	3/4	Neg	Pos	68
307	4/3	1/1	4/3	Neg	Pos	59
308	3/3	1/2	4/4	Neg	Pos	56
309	4/3	2/1	4/3	Neg	Pos	49
310	2/3	2/1	2/3	Neg	Pos	63
311	3/3	2/2	2/4	Pos	Pos	79
312	3/3	4/4	2/3	Pos	Pos	75
313	1/1	3/3	1/1	Pos	Neg	68
314	1/2	3/4	2/2	Neg	Neg	59

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array

Table 13

Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
315	2/1	4/3	2/1	Neg	Neg	79
316	2/1	2/3	2/3	Pos	Neg	75
317	2/2	3/3	3/3	Pos	Pos	68
318	4/4	3/4	3/3	Pos	Pos	59
319	3/3	4/3	3/3	Pos	Pos	75
320	3/4	4/4	2/2	Pos	Neg	68
321	4/3	4/3	1/2	Pos	Pos	68
322	2/3	2/3	1/2	Neg	Pos	59
323	3/3	2/4	2/2	Neg	Pos	79
324	3/4	2/3	2/3	Neg	Pos	75
325	4/3	1/1	2/4	Neg	Pos	79
326	4/4	1/1	2/3	Neg	Pos	75
327	4/3	1/2	4/4	Neg	Pos	68
328	2/3	2/1	2/4	Neg	Pos	59
329	2/4	2/1	2/3	Pos	Pos	75
330	2/3	2/2	1/1	Neg	Pos	68
331	1/1	2/2	1/1	Neg	Pos	59
332	1/1	1/2	1/2	Neg	Neg	79
333	1/2	2/3	2/1	Neg	Pos	75
334	2/1	2/4	4/3	Neg	Neg	68
335	2/1	2/3	3/3	Pos	Neg	66
336	2/2	4/4	2/2	Pos	Pos	67
337	2/2	3/3	1/2	Pos	Pos	72
338	1/2	3/4	2/3	Neg	Pos	76
339	2/3	4/3	2/4	Neg	Neg	63
340	2/4	2/3	2/3	Pos	Neg	62
341	2/3	2/2	1/2	Pos	Neg	63
342	4/4	2/1	2/1	Pos	Neg	66
343	3/3	2/3	2/1	Neg	Pos	67
344	3/4	2/3	2/2	Neg	Pos	72
345	4/3	1/1	4/4	Neg	Neg	79
346	2/3	1/1	3/3	Neg	Pos	75
347	2/2	1/2	3/4	Pos	Pos	79
348	2/1	2/1	4/3	Pos	Neg	75
349	2/3	2/1	2/3	Neg	Neg	68

bcl-2a Case Controlled Study - Clinomics 3 Experiment Study - Oncology Array
Table 13
Scoring Sheet

Sample #	Experiment I	Experiment II	Experiment	HER-2/Neu	ER	Age
350	1/1	2/2	3/3	Pos	Pos	75
351	2/2	2/2	3/4	Pos	Neg	
352	2/1	1/2	4/3	Neg	Neg	77
353	2/3	2/3	4/4	Neg	Neg	76
354	3/3	2/4	4/3	Neg	Neg	63
355	3/3	2/3	3/3	Neg	Neg	66
356	3/3	2/4	2/2	Neg	Neg	67
357	2/2	2/3	1/2	Neg	Pos	79
358	1/2	4/4	2/2	Neg	Pos	75
359	1/2	3/3	2/3	Pos	Pos	68
360	2/2	3/4	2/3	Pos	Neg	75

KEY from Clinical Study P27 Staining
1-180 samples - Non Metastatic Good Prognosis
181-360 samples - Metastatic Poor Prognosis

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

localization	Coordinates	Category	Histologic type	Subtype
A 1a	0/0	normal breast	ductal	comedo, high grade
A 1b	800/0	normal breast	ductal	solid, low grade
A 1c	1600/0	normal breast	ductal	comedo, high grade
A 1d	2400/0	normal breast	ductal	solid, low grade
A 1e	3200/0	normal breast	ductal	comedo, high grade
A 1f	4000/0	normal breast	ductal	micropapillary, low grade
A 1g	4800/0	normal breast	ductal	comedo, high grade
A 1h	5600/0	normal breast	ductal	solid, low grade
A 1i	6400/0	normal breast	ductal	comedo, high grade
A 1j	7200/0	normal breast	ductal	micropapillary, low grade
A 1k	8000/0	normal breast	ductal	comedo, high grade
A 1l	8800/0	normal breast	ductal	comedo, high grade
A 1m	9600/0	normal breast	ductal	comedo, high grade
A 1n	10400/0	normal breast	ductal	cribriform, low grade
A 1o	11200/0	normal breast	ductal	comedo, high grade
A 1p	12000/0	normal breast	ductal	comedo, high grade
A 2a	0/800	normal breast	ductal	solid, low grade
A 2b	800/800	normal breast	ductal	comedo, high grade
A 2c	1600/800	normal breast	ductal	solid, low grade
A 2d	2400/800	normal breast	ductal	comedo, high grade
A 2e	3200/800	breast cancer, tubular	ductal	solid, low grade
A 2f	4000/800	breast cancer, lobular	ductal	comedo, high grade
A 2g	4800/800	breast cancer, ductal	ductal	solid, low grade
A 2h	5600/800	breast cancer, lobular	ductal	comedo, high grade
A 2i	6400/800	breast cancer, lobular	ductal	micropapillary, low grade
A 2j	7200/800	breast cancer, lobular	ductal	comedo, high grade
A 2k	8000/800	breast cancer, ductal	ductal	comedo, high grade
A 2l	8800/800	breast cancer, ductal	ductal	micropapillary, low grade
A 2m	9600/800	breast cancer, ductal	ductal	comedo, high grade
A 2n	10400/800	breast cancer, ductal	ductal	comedo, high grade
A 2o	11200/800	breast cancer, ductal	ductal	comedo, high grade
A 2p	12000/800	breast cancer, ductal	ductal	cribriform, low grade
A 3a	0/1600	breast cancer, ductal	ductal	comedo, high grade
A 3b	800/1600	breast cancer, ductal	ductal	comedo, high grade
A 3c	1600/1600	breast cancer, ductal	ductal	comedo, high grade
A 3d	2400/1600	breast cancer, ductal	ductal	comedo, high grade
A 3e	3200/1600	breast cancer, mucinous	DCIS	solid, low grade
A 3f	4000/1600	breast cancer, ductal	DCIS	comedo, high grade
A 3g	4800/1600	breast cancer, lobular	DCIS	solid, low grade
A 3h	5600/1600	breast cancer, medullary	DCIS	comedo, high grade
A 3i	6400/1600	breast cancer, ductal	ductal	solid, low grade
A 3j	7200/1600	breast cancer, mucinous	ductal	comedo, high grade
A 3k	8000/1600	breast cancer, ductal	ductal	solid, low grade
A 3l	8800/1600	breast cancer, ductal	ductal	comedo, high grade
A 3m	9600/1600	breast cancer, ductal	ductal	micropapillary, low grade
A 3n	10400/1600	breast cancer, ductal	ductal	comedo, high grade
A 3o	11200/1600	breast cancer, ductal	ductal	comedo, high grade
A 3p	12000/1600	breast cancer, ductal	ductal	micropapillary, low grade
A 4a	0/2400	breast cancer, medullary	ductal	comedo, high grade
A 4b	800/2400	breast cancer, ductal	ductal	comedo, high grade
A 4c	1600/2400	breast cancer, ductal	ductal	comedo, high grade
A 4d	2400/2400	breast cancer, ductal	ductal	cribriform, low grade
A 4e	3200/2400	breast cancer, ductal	ductal	comedo, high grade
A 4f	4000/2400	breast cancer, ductal	ductal	comedo, high grade
A 4g	4800/2400	breast cancer, ductal	ductal	solid, low grade
A 4h	5600/2400	breast cancer, ductal	ductal	comedo, high grade
A 4i	6400/2400	breast cancer, ductal	ductal	solid, low grade
A 4j	7200/2400	breast cancer, ductal	ductal	comedo, high grade
A 4k	8000/2400	breast cancer, ductal	ductal	solid, low grade
A 4l	8800/2400	breast cancer, ductal	ductal	comedo, high grade
A 4m	9600/2400	breast cancer, ductal	ductal	solid, low grade

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
1	2	2	1	4	1	0	28
1	2	2	1	19	1	0	17
1	3	3	3	33	2	1	15
1	3	3	2	14	1	0	23
1	3	3	2	12	1	0	25
1	3	2	1		2	1	25
1	3	3	3	18	1	0	7
1	3	3	2	13	1	0	17
1	3	2	1	65	4	1	2
1	1	2	1	19	1	0	10
1	3	2	1	13	1	0	10
1	3	3	2	23	2	1	17
1	1	2	1	19	1	0	19
1	2	2	1	9	1	0	21
1	2	2	1	20	1	0	26
1	5	2	2	7	1	2	10
1	3	3	3	15	1	0	20
1	3	2	1	9	1	0	15
1	3	3	3	20	1	0	14
1	3	2	1	12	1		0
1	1	2	1	15	1	0	10
1	3	2	1	9	1	0	24
1	2	3	2	20	1	0	12
1	3	2	1	25	2	0	29
1	3	2	1	15	1	0	23
1	3	2	1	10	1	0	10
1	3	2	1	40	2	1	25
1	3	2	1	30	2	0	32
1	3	3	1	15	1	0	11
1	3	3	3	10	1	0	14
1	3	3	3	25	2	1	22
1	2	3	1	22	2	0	14
1	3	3	2	15	1	0	18
1	3	2	2	10	1	0	17
1	2	3	1	30	2	0	26
1	2	2	1	22	2	1	22
1	2	1	1	15	1	0	14
1	2	2	1	11	1	0	19
1	3	2	1	30	4	1	14
1	3	3	3	22	2	1	7
1	3	3	2	15	1	0	21
1	2	1	1	19	1	0	17
1	3	3	1	33	2	1	15
1	3	3	3	14	1	0	23
1	5	2	2	12	1	0	25
1	3	2	1		2	1	25
1	1	2	1	18	1	0	7
1	3	2	1	13	1	0	17
1	3	3	3	65	4	1	2
1	3	3	2	19	1	0	10
1	2	2	1	13	1	0	10
1	2	2	1	23	2	1	17
1	2	3	1	19	1	0	19
1	2	3	1	9	1	0	21
1	3	3	2	20	1	0	26
1	1	2	1	7	1	2	10
1	3	3	1	15	1	0	20
1	3	3	1	9	1	0	15
1	3	2	3	20	1	0	14
1	3	2	3	12	1		0
1	3	3	3	15	1	0	10

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	Identification nr.	Her-2/neu	Cathepsin D	NM23
0	48	57	1001	Neg	Neg	Pos
0	45	58	1002	Neg	Neg	Neg
1	50	84	1003	Neg	Pos	Neg
0	46	60	1004	Neg	Pos	Neg
0	41	41	1005	Neg	Pos	Pos
3	51	45	1006	Neg	Pos	Pos
0	47	48	1007	Pos	Neg	Pos
0	42	64	1008	Pos	Neg	Neg
2	51	39	1009	Pos	Neg	Neg
0	47	48	1010	Pos	Neg	Neg
0	42	46	1011	Neg	Neg	Pos
3	53	71	1012	Neg	Pos	Pos
0	53	46	1013	Neg	Pos	Pos
0	48	77	1014	Pos	Pos	Pos
0	45	47	1015	Pos	Neg	Pos
7	53	47	1016	Pos	Neg	Pos
0	53	64	1017	Pos	Neg	Neg
0	50	57	1018	Pos	Neg	Neg
0	48	48	1019	Pos	Neg	Pos
	50	57	1020	Neg	Neg	Pos
0	70	55	1021	Neg	Neg	Pos
0	57	60	1022	Pos	Neg	Pos
0	63	48	1023	Pos	Neg	Pos
0	74	63	1024	Pos	Neg	Pos
0	71	54	1025	Pos	Neg	Pos
0	45	46	1026	Pos	Neg	Neg
3	29	48	1027	Pos	Neg	Neg
0	63	70	1028	Pos	Neg	Neg
0	53	61	1029	Pos	Neg	Neg
0	45	79	1030	Pos	Neg	Neg
16	62	51	1031	Pos	Neg	Neg
0	39	28	1032	Neg	Neg	Pos
0	61	17	1033	Neg	Neg	Pos
0	57	15	1034	Neg	Neg	Pos
0	58	23	1035	Neg	Neg	Pos
10	84	25	1036	Neg	Neg	Neg
0	60	25	1037	Neg	Neg	Neg
0	41	7	1038	Neg	Neg	Neg
8	45	17	1039	Pos	Neg	Neg
1	48	2	1040	Pos	Neg	Neg
0	64	10	1041	Pos	Neg	Pos
0	39	10	1042	Pos	Neg	Pos
1	48	17	1043	Neg	Neg	Pos
0	46	19	1044	Neg	Neg	Neg
0	71	21	1045	Neg	Pos	Neg
3	46	26	1046	Neg	Neg	Neg
0	77	10	1047	Neg	Neg	Neg
0	47	20	1048	Pos	Neg	Neg
2	47	15	1049	Pos	Neg	Neg
0	64	14	1050	Pos	Neg	Neg
0	57	0	1051	Neg	Pos	Pos
3	48	10	1052	Neg	Pos	Pos
0	57	24	1053	Neg	Neg	Pos
0	55	12	1054	Neg	Neg	Neg
0	60	29	1055	Neg	Neg	Neg
7	48	23	1056	Neg	Pos	Neg
0	63	10	1057	Neg	Pos	Neg
0	54	25	1058	Neg	Pos	Neg
0	46	32	1059	Neg	Pos	Neg
	48	11	1060	Neg	Pos	Neg
0	70	14	1061	Neg	Pos	Neg

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

localization	Coordinates	Category	Histologic type	Subtype
A 4n	10400/2400	breast cancer, ductal	ductal	comedo, high grade
A 4o	11200/2400	breast cancer, ductal	ductal	micropapillary, low grade
A 4p	12000/2400	breast cancer, ductal	ductal	comedo, high grade
A 5a	0/3200	breast cancer, ductal	ductal	comedo, high grade
A 5b	800/3200	breast cancer, ductal	ductal	comedo, high grade
A 5c	1600/3200	breast cancer, ductal	ductal	cribriform, low grade
A 5d	2400/3200	breast cancer, ductal	ductal	comedo, high grade
A 5e	3200/3200	breast cancer, ductal	ductal	comedo, high grade
A 5f	4000/3200	breast cancer, ductal	ductal	comedo, high grade
A 5g	4800/3200	breast cancer, ductal	ductal	comedo, high grade
A 5h	5600/3200	breast cancer, ductal	ductal	solid, low grade
A 5i	6400/3200	breast cancer, ductal	ductal	comedo, high grade
A 5j	7200/3200	breast cancer, ductal	ductal	micropapillary, low grade
A 5k	8000/3200	breast cancer, ductal	ductal	comedo, high grade
A 5l	8800/3200	breast cancer, ductal	ductal	micropapillary, low grade
A 5m	9600/3200	breast cancer, ductal	ductal	comedo, high grade
A 5n	10400/3200	breast cancer, ductal	ductal	comedo, high grade
A 5o	11200/3200	breast cancer, ductal	ductal	comedo, high grade
A 5r	12000/3200	breast cancer, ductal	ductal	cribriform, low grade
A 6a	0/4000	breast cancer, ductal	ductal	comedo, high grade
A 6b	800/4000	breast cancer, ductal	ductal	comedo, high grade
A 6c	1600/4000	breast cancer, ductal	ductal	solid, low grade
A 6d	2400/4000	breast cancer, ductal	ductal	comedo, high grade
A 6e	3200/4000	breast cancer, ductal	ductal	solid, low grade
A 6f	4000/4000	breast cancer, ductal	ductal	comedo, high grade
A 6g	4800/4000	breast cancer, ductal	ductal	solid, low grade
A 6h	5600/4000	breast cancer, ductal	ductal	comedo, high grade
A 6i	6400/4000	breast cancer, ductal	ductal	solid, low grade
A 6j	7200/4000	breast cancer, ductal	ductal	comedo, high grade
A 6k	8000/4000	breast cancer, ductal	ductal	micropapillary, low grade
A 6l	8800/4000	breast cancer, ductal	ductal	comedo, high grade
A 6m	9600/4000	breast cancer, ductal	ductal	comedo, high grade
A 6n	10400/4000	breast cancer, ductal	ductal	micropapillary, low grade
A 6o	11200/4000	breast cancer, ductal	ductal	comedo, high grade
A 6p	12000/4000	breast cancer, ductal	ductal	comedo, high grade
A 7a	0/4800	breast cancer, ductal	ductal	comedo, high grade
A 7b	800/4800	breast cancer, ductal	ductal	cribriform, low grade
A 7c	1600/4800	breast cancer, ductal	ductal	comedo, high grade
A 7d	2400/4800	breast cancer, ductal	ductal	comedo, high grade
A 7e	3200/4800	breast cancer, ductal	ductal	solid, low grade
A 7f	4000/4800	breast cancer, ductal	ductal	comedo, high grade
A 7g	4800/4800	breast cancer, ductal	ductal	solid, low grade
A 7h	5600/4800	breast cancer, ductal	ductal	comedo, high grade
A 7i	6400/4800	breast cancer, ductal	ductal	solid, low grade
A 7j	7200/4800	breast cancer, ductal	ductal	comedo, high grade
A 7k	8000/4800	breast cancer, ductal	ductal	solid, low grade
A 7l	8800/4800	breast cancer, ductal	ductal	comedo, high grade
A 7m	9600/4800	breast cancer, ductal	ductal	micropapillary, low grade
A 7n	10400/4800	breast cancer, ductal	ductal	comedo, high grade
A 7o	11200/4800	breast cancer, ductal	ductal	comedo, high grade
A 7p	12000/4800	breast cancer, ductal	ductal	comedo, high grade
A 8a	0/5600	breast cancer, ductal	ductal	cribriform, low grade
A 8b	800/5600	breast cancer, ductal	ductal	comedo, high grade
A 8c	1600/5600	breast cancer, ductal	ductal	comedo, high grade
A 8d	2400/5600	breast cancer, ductal	ductal	comedo, high grade
A 8e	3200/5600	breast cancer, ductal	ductal	comedo, high grade
A 8f	4000/5600	breast cancer, ductal	ductal	solid, low grade
A 8g	4800/5600	breast cancer, ductal	ductal	comedo, high grade
A 8h	5600/5600	breast cancer, ductal	ductal	micropapillary, low grade
A 8i	6400/5600	breast cancer, ductal	ductal	comedo, high grade
A 8j	7200/5600	breast cancer, ductal	ductal	comedo, high grade
A 8k	8000/5600	breast cancer, ductal	ductal	micropapillary, low grade

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

PCL XL error	BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
Subsystem:1	KERNEL	3	3	2	9	1	0	24
1		3	3	2	20	1	0	12
Error: 1	IllegalTag	3	2	1	25	2	0	29
1		3	3	3	15	1	0	23
Operator:1	0x25	3	3	2	10	1	0	10
1		3	3	2	10	1	0	10
Position:1	97	3	2	1	40	2	1	25
1		1	2	1	30	2	0	32
1		3	2	1	15	1	0	11
1		3	3	2	10	1	0	14
1		1	2	1	25	2	1	22
1		2	2	1	22	2	0	14
1		2	2	1	15	1	0	18
1		5	2	2	10	1	0	17
1		3	3	3	30	2	0	26
1		3	2	1	22	2	1	22
1		3	3	3	15	1	0	14
1		3	2	1	11	1	0	19
1		1	2	1	30	4	1	14
1		3	2	1	22	2	1	7
1		2	3	2	15	1	0	21
1		3	2	1	12	1	0	16
1		3	2	1	40	2	2	12
1		3	2	1	12	1		0
1		3	3	3	15	1	0	15
1		5	2	2	7	1	0	16
1		3	2	1	20	1	0	8
1		1	2	1	45	2	1	19
1		3	2	1	15	1	0	24
1		3	3	3	12	1	0	21
1		3	3	2	35	2	0	9
1		2	2	1	21	2	1	9
1		2	2	1	15	1	0	7
1		2	3	1	12	1	0	2
1		2	3	1	22	2	0	7
1		3	3	2	25	2	1	21
1		1	2	1	15	1	0	21
1		3	3	1	12	1	0	14
1		3	3	1	30	2	0	14
1		3	2	3	15	1	0	10
2		3	2	3	40	2	2	16
2		3	3	3	35	2	1	28
2		3	3	2	19	1	0	5
2		3	3	2	22	4	1	12
2		3	2	1	45	2	1	16
2		3	3	3	10	1	0	23
2		3	3	2	18	1	0	10
2		2	2	1	60	3	2	10
2		2	2	1	12	1	1	16
2		5	2	2	13	1	0	12
2		3	3	3	24	2	1	22
2		3	2	1	25	2	0	10
2		3	3	3	40	2	2	36
2		3	2	1	25	2	0	16
2		1	2	1	11	1	0	11
2		3	2	1	20	1	1	9
2		2	3	2	11	1	0	19
2		3	2	1	13	1	0	14
2		3	2	1	30	4	0	20
2		3	2	1	24	2	1	14
2		3	3	3	27	2	1	14
2		5	2	2	18	1	0	16
2		3	2	1	24	2	1	10

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	identification nr.	Her-2/neu	Cathepsin D	NM23
0	61	22	1062	Neg	Neg	Neg
0	79	14	1063	Neg	Neg	Neg
0	51	18	1064	Neg	Pos	Neg
0	73	17	1065	Neg	Pos	Neg
0	47	48	1066	Neg	Pos	Neg
3	41	64	1067	Neg	Pos	Neg
0	51	39	1068	Neg	Pos	Neg
0	78	48	1069	Neg	Pos	Neg
0	69	46	1070	Neg	Pos	Neg
16	42	71	1071	Neg	Pos	Neg
0	52	46	1072	Neg	Neg	Neg
0	62	77	1073	Neg	Neg	Neg
0	75	47	1074	Neg	Neg	Pos
0	43	47	1075	Neg	Neg	Neg
10	52	64	1076	Neg	Neg	Neg
0	56	57	1077	Neg	Neg	Neg
0	62	48	1078	Neg	Neg	Neg
8	44	57	1079	Neg	Pos	Neg
1	52	55	1080	Neg	Pos	Pos
0	57	60	1081	Pos	Pos	Pos
0	40	48	1082	Neg	Pos	Neg
9	44	63	1083	Neg	Neg	Neg
	52	54	1084	Neg	Neg	Neg
0	52	46	1085	Neg	Neg	Pos
0	58	48	1086	Neg	Neg	Pos
0	55	70	1087	Pos	Neg	Pos
3	48	61	1088	Pos	Pos	Pos
0	61	79	1089	Neg	Pos	Pos
0	60	51	1090	Neg	Pos	Pos
0	45	73	1091	Neg	Neg	Neg
1	53	47	1092	Pos	Neg	Neg
0	68	41	1093	Pos	Neg	Pos
0	41	51	1094	Pos	Neg	Pos
0	46	78	1095	Pos	Neg	Pos
3	53	69	1096	Pos	Neg	Pos
0	63	42	1097	Neg	Neg	Neg
0	66	52	1098	Neg	Neg	Neg
0	46	62	1099	Neg	Neg	Neg
0	57	75	1100	Pos	Pos	Pos
9	40	43	1101	Pos	Pos	Pos
5	48	52	1102	Pos	Pos	Pos
0	52	56	1103	Pos	Pos	Pos
1	55	62	1104	Pos	Pos	Pos
7	39	44	1105	Neg	Neg	Neg
0	48	52	1106	Neg	Neg	Neg
0	51	57	1107	Neg	Pos	Pos
6	54	40	1108	Neg	Pos	Pos
16	40	44	1109	Neg	Pos	Pos
0	48	52	1110	Neg	Pos	Neg
3	51	52	1111	Pos	Neg	Pos
0	55	58	1112	Pos	Neg	Pos
34	40	55	1113	Neg	Pos	Neg
0	48	48	1114	Neg	Pos	Neg
0	52	61	1115	Neg	Pos	Neg
7	55	60	1116	Pos	Neg	Pos
0	41	45	1117	Pos	Neg	Pos
0	49	53	1118	Pos	Neg	Pos
0	52	68	1119	Neg	Pos	Neg
1	55	41	1120	Neg	Pos	Neg
8	41	46	1121	Neg	Pos	Neg
0	49	53	1122	Neg	Pos	Neg
2	52	63	1123	Neg	Pos	Neg

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

localization	Coordinates	Category	Histologic type	Subtype
A 8l	8800/5600	breast cancer, ductal	ductal	comedo, high grade
A 8m	9600/5600	breast cancer, ductal	ductal	comedo, high grade
A 8n	10400/5600	breast cancer, ductal	ductal	comedo, high grade
A 8o	11200/5600	breast cancer, ductal	ductal	cribriform, low grade
A 8p	12000/5600	breast cancer, ductal	ductal	comedo, high grade
A 9a	0/6400	breast cancer, ductal	ductal	comedo, high grade
A 9b	800/6400	breast cancer, ductal	ductal	solid, low grade
A 9c	1600/6400	breast cancer, ductal	ductal	comedo, high grade
A 9d	2400/6400	breast cancer, ductal	ductal	solid, low grade
A 9e	3200/6400	breast cancer, ductal	ductal	comedo, high grade
A 9f	4000/6400	breast cancer, ductal	ductal	solid, low grade
A 9g	4800/6400	breast cancer, ductal	ductal	comedo, high grade
A 9h	5600/6400	breast cancer, ductal	ductal	solid, low grade
A 9i	6400/6400	breast cancer, ductal	ductal	comedo, high grade
A 9j	7200/6400	breast cancer, ductal	ductal	micropapillary, low grade
A 9k	8000/6400	breast cancer, ductal	ductal	comedo, high grade
A 9l	8800/6400	breast cancer, ductal	ductal	comedo, high grade
A 9m	9600/6400	breast cancer, ductal	ductal	comedo, high grade
A 9n	10400/6400	breast cancer, ductal	ductal	cribriform, low grade
A 9o	11200/6400	breast cancer, ductal	ductal	comedo, high grade
A 9p	12000/6400	breast cancer, ductal	ductal	comedo, high grade
B 1a	0/0	normal breast	normal breast	comedo, high grade
B 1b	800/0	normal breast	normal breast	
B 1c	1600/0	normal breast	normal breast	
B 1d	2400/0	normal breast	normal breast	
B 1e	3200/0	normal breast	normal breast	
B 1f	4000/0	normal breast	normal breast	
B 1g	4800/0	normal breast	normal breast	
B 1h	5600/0	normal breast	normal breast	
B 1i	6400/0	normal breast	normal breast	
B 1j	7200/0	normal breast	normal breast	
B 1k	8000/0	normal breast	normal breast	
B 1l	8800/0	normal breast	normal breast	
B 1m	9600/0	normal breast	normal breast	
B 1n	10400/0	normal breast	normal breast	
B 1o	11200/0	normal breast	normal breast	
B 1p	12000/0	normal breast	normal breast	
B 2a	0/800	normal breast	normal breast	
B 2b	800/800	normal breast	normal breast	
B 2c	1600/800	normal breast	normal breast	
B 2d	2400/800	normal breast	normal breast	
B 2e	3200/800	breast cancer, ductal	DCIS	cribriform, low grade
B 2f	4000/800	breast cancer, ductal	DCIS	comedo, high grade
B 2g	4800/800	breast cancer, ductal	DCIS	cribriform, low grade
B 2h	5600/800	breast cancer, ductal	DCIS	cribriform, low grade
B 2i	6400/800	breast cancer, ductal	DCIS	solid, low grade
B 2j	7200/800	breast cancer, ductal	DCIS	comedo, high grade
B 2k	8000/800	breast cancer, ductal	DCIS	solid, low grade
B 2l	8800/800	breast cancer, ductal	DCIS	comedo, high grade
B 2m	9600/800	breast cancer, ductal	DCIS	solid, low grade
B 2n	10400/800	breast cancer, ductal	DCIS	comedo, high grade
B 2o	11200/800	breast cancer, ductal	DCIS	solid, low grade
B 2p	12000/800	breast cancer, ductal	DCIS	comedo, high grade
B 3a	0/1600	breast cancer, ductal	DCIS	comedo, high grade
B 3b	800/1600	breast cancer, ductal	DCIS	solid, low grade
B 3c	1600/1600	breast cancer, ductal	DCIS	comedo, high grade
B 3d	2400/1600	breast cancer, ductal	DCIS	solid, low grade
B 3e	3200/1600	breast cancer, ductal	DCIS	comedo, high grade
B 3f	4000/1600	breast cancer, ductal	DCIS	micropapillary, low grade
B 3g	4800/1600	breast cancer, ductal	DCIS	comedo, high grade
B 3h	5600/1600	breast cancer, ductal	DCIS	solid, low grade

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
2	1	2	1	25	2	1	15
2	3	2	1	12	1	0	25
2	3	3	3	22	2	0	16
2	3	3	2	60	3	2	18
2	2	2	1	28	2	1	27
2	2	2	1	25	2	1	19
2	2	3	1	15	1	1	23
2	2	3	1	22	2	0	17
2	3	3	1	30	2	1	23
2	3	3	1	19	1	1	31
2	3	2	3	25	2	1	27
2	3	2	3	76	3	1	28
2	3	3	3	12	1	0	16
2	3	3	2	15	1	0	15
2	3	3	2	30	2	1	25
2	3	2	1	16	1	0	40
2	3	3	3	15	1	0	16
2	3	3	2	27	2	0	33
2	2	2	1	35	2	1	28
2	2	2	1	17	1	0	33
2	5	2	2	13	1	1	12

1	1	2	1	10	1	0	10
1	3	2	1	40	2	1	25
1	2	3	2	30	2	0	32
1	3	2	1	15	1	0	11
1	3	2	1	10	1	0	14
1	3	2	1	25	2	1	22
1	3	3	3	22	2	0	14
1	5	2	2	15	1	0	18
1	3	2	1	10	1	0	17
1	1	2	1	30	2	0	26
1	3	2	1	22	2	1	22
1	3	3	3	15	1	0	14
1	3	3	2	11	1	0	19
1	2	2	1	30	4	1	14
1	2	2	1	22	2	1	7
1	2	3	1	15	1	0	21
1	2	3	1	12	1	0	16
1	3	3	1	40	2	2	12
1	3	3	1	12	1	0	0
1	3	2	3	15	1	0	15

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	identification nr.	Her-2/neu	Cathepsin D	NM23
1	55	66	1124	Neg	Pos	Neg
0	42	46	1125	Neg	Neg	Neg
0	49	57	1126	Neg	Neg	Neg
7	52	40	1127	Neg	Pos	Neg
6	55	48	1128	Neg	Pos	Neg
5	42	52	1129	Neg	Pos	Neg
3	49	55	1130	Neg	Pos	Neg
0	53	39	1131	Neg	Pos	Neg
2	55	48	1132	Neg	Pos	Neg
1	43	51	1133	Neg	Pos	Neg
2	49	54	1134	Neg	Neg	Neg
4	53	40	1135	Neg	Neg	Neg
0	56	48	1136	Neg	Neg	Neg
0	45	51	1137	Neg	Neg	Neg
1	49	55	1138	Neg	Pos	Neg
0	54	40	1139	Neg	Pos	Neg
0	56	48	1140	Neg	Pos	Neg
0	46	52	1141	Neg	Pos	Neg
6	49	55	1142	Pos	Neg	Pos
0	54	41	1143	Neg	Neg	Neg
2	46	49	1144	Neg	Neg	Neg
	55		1001	Neg	Neg	Neg
	41		1002	Neg	Neg	Neg
	49		1003	Neg	Neg	Neg
	52		1004	Neg	Neg	Neg
	55		1005	Neg	Neg	Neg
	42		1006	Neg	Pos	Neg
	49		1007	Neg	Neg	Neg
	52		1008	Neg	Neg	Neg
	55		1009	Neg	Neg	Neg
	42		1010	Neg	Neg	Neg
	49		1011	Neg	Pos	Neg
	53		1012	Neg	Pos	Neg
	55		1013	Neg	Neg	Pos
	43		1014	Neg	Neg	Neg
	49		1015	Neg	Neg	Neg
	53		1016	Neg	Neg	Pos
	56		1017	Neg	Neg	Neg
	45		1018	Pos	Neg	Neg
	49		1019	Neg	Neg	Neg
	54		1020	Neg	Neg	Neg
0	70	56	1021	Pos	Neg	Pos
3	57	46	1022	Neg	Pos	Neg
0	63	53	1023	Neg	Pos	Neg
0	74	63	1024	Pos	Pos	Neg
0	71	66	1025	Pos	Pos	Neg
16	45	46	1026	Pos	Pos	Neg
0	29	57	1027	Pos	Neg	Neg
0	63	40	1028	Pos	Neg	Neg
0	53	48	1029	Neg	Neg	Neg
0	45	52	1030	Neg	Neg	Neg
10	62	55	1031	Neg	Pos	Neg
0	39	39	1032	Pos	Pos	Neg
0	61	48	1033	Pos	Pos	Neg
8	57	46	1034	Pos	Pos	Neg
1	58	53	1035	Pos	Neg	Pos
0	84	63	1036	Pos	Neg	Neg
0	60	66	1037	Pos	Neg	Neg
9	41	46	1038	Neg	Pos	Neg
	45	57	1039	Pos	Neg	Neg
0	48	40	1040	Pos	Pos	Neg

Clinomics Breast Cancer Array Data for Known Molecular Markers

localization	Coordinates	Category	Histologic type	Subtype
B 3i	6400/1600	breast cancer, ductal	ductal	comedo, high grade
B 3j	7200/1600	breast cancer, ductal	ductal	micropapillary, low grade
B 3k	8000/1600	breast cancer, ductal	ductal	comedo, high grade
B 3l	8800/1600	breast cancer, ductal	ductal	comedo, high grade
B 3m	9600/1600	breast cancer, ductal	ductal	comedo, high grade
B 3n	10400/1600	breast cancer, ductal	ductal	cribriform, low grade
B 3o	11200/1600	breast cancer, ductal	ductal	comedo, high grade
B 3p	12000/1600	breast cancer, ductal	ductal	comedo, high grade
B 4a	0/2400	breast cancer, ductal	ductal	solid, low grade
B 4b	800/2400	breast cancer, ductal	ductal	comedo, high grade
B 4c	1600/2400	breast cancer, ductal	ductal	solid, low grade
B 4d	2400/2400	breast cancer, ductal	ductal	comedo, high grade
B 4e	3200/2400	breast cancer, ductal	ductal	solid, low grade
B 4f	4000/2400	breast cancer, ductal	ductal	comedo, high grade
B 4g	4800/2400	breast cancer, ductal	ductal	solid, low grade
B 4h	5600/2400	breast cancer, ductal	ductal	comedo, high grade
B 4i	6400/2400	breast cancer, ductal	ductal	micropapillary, low grade
B 4j	7200/2400	breast cancer, ductal	ductal	comedo, high grade
B 4k	8000/2400	breast cancer, ductal	ductal	comedo, high grade
B 4l	8800/2400	breast cancer, ductal	ductal	micropapillary, low grade
B 4m	9600/2400	breast cancer, ductal	ductal	comedo, high grade
B 4n	10400/2400	breast cancer, ductal	ductal	comedo, high grade
B 4o	11200/2400	breast cancer, ductal	ductal	comedo, high grade
B 4p	12000/2400	breast cancer, ductal	ductal	cribriform, low grade
B 5a	0/3200	breast cancer, ductal	ductal	comedo, high grade
B 5b	800/3200	breast cancer, ductal	ductal	comedo, high grade
B 5c	1600/3200	breast cancer, ductal	ductal	comedo, high grade
B 5d	2400/3200	breast cancer, ductal	ductal	comedo, high grade
B 5e	3200/3200	breast cancer, ductal	ductal	solid, low grade
B 5f	4000/3200	breast cancer, ductal	ductal	comedo, high grade
B 5g	4800/3200	breast cancer, ductal	ductal	solid, low grade
B 5h	5600/3200	breast cancer, ductal	ductal	comedo, high grade
B 5i	6400/3200	breast cancer, ductal	ductal	solid, low grade
B 5j	7200/3200	breast cancer, ductal	ductal	comedo, high grade
B 5k	8000/3200	breast cancer, ductal	ductal	solid, low grade
B 5l	8800/3200	breast cancer, ductal	ductal	comedo, high grade
B 5m	9600/3200	breast cancer, ductal	ductal	micropapillary, low grade
B 5n	10400/3200	breast cancer, ductal	ductal	comedo, high grade
B 5o	11200/3200	breast cancer, ductal	ductal	comedo, high grade
B 5r	12000/3200	breast cancer, ductal	ductal	micropapillary, low grade
B 6a	0/4000	breast cancer, ductal	ductal	comedo, high grade
B 6b	800/4000	breast cancer, ductal	ductal	comedo, high grade
B 6c	1600/4000	breast cancer, ductal	ductal	comedo, high grade
B 6d	2400/4000	breast cancer, ductal	ductal	cribriform, low grade
B 6e	3200/4000	breast cancer, ductal	ductal	comedo, high grade
B 6f	4000/4000	breast cancer, ductal	ductal	comedo, high grade
B 6g	4800/4000	breast cancer, ductal	ductal	solid, low grade
B 6h	5600/4000	breast cancer, ductal	ductal	comedo, high grade
B 6i	6400/4000	breast cancer, ductal	ductal	solid, low grade
B 6j	7200/4000	breast cancer, ductal	ductal	comedo, high grade
B 6k	8000/4000	breast cancer, ductal	ductal	solid, low grade
B 6l	8800/4000	breast cancer, ductal	ductal	comedo, high grade
B 6m	9600/4000	breast cancer, ductal	ductal	solid, low grade
B 6n	10400/4000	breast cancer, ductal	ductal	comedo, high grade
B 6o	11200/4000	breast cancer, ductal	ductal	micropapillary, low grade
B 6p	12000/4000	breast cancer, ductal	ductal	comedo, high grade
B 7a	0/4800	breast cancer, ductal	ductal	comedo, high grade
B 7b	800/4800	breast cancer, ductal	ductal	comedo, high grade
B 7c	1600/4800	breast cancer, ductal	ductal	cribriform, low grade
B 7d	2400/4800	breast cancer, ductal	ductal	comedo, high grade
B 7e	3200/4800	breast cancer, ductal	ductal	comedo, high grade
B 7f	4000/4800	breast cancer, ductal	ductal	comedo, high grade

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
1	3	2	3	7	1	0	16
1	2	2	1	20	1	0	8
1	2	2	1	45	2	1	19
1	3	3	3	15	1	0	24
1	3	3	2	12	1	0	21
1	3	3	2	35	2	0	9
1	3	2	1	18	1	0	7
1	3	3	3	13	1	0	17
1	3	3	2	65	4	1	2
1	3	2	1	19	1	0	10
1	1	2	1	13	1	0	10
1	3	2	1	23	2	1	17
1	3	3	2	19	1	0	19
1	1	2	1	9	1	0	21
1	2	2	1	20	1	0	26
1	2	2	1	7	1	2	10
1	5	2	2	15	1	0	20
1	3	3	3	9	1	0	15
1	3	2	1	20	1	0	14
1	3	3	3	12	1		0
1	3	2	1	15	1	0	10
1	1	2	1	9	1	0	24
1	3	2	1	20	1	0	12
1	2	3	2	25	2	0	29
1	3	2	1	15	1	0	23
1	2	2	1	10	1	0	10
1	2	2	1	40	2	1	25
1	3	3	3	30	2	0	32
1	3	3	2	15	1	0	11
1	3	3	2	10	1	0	14
1	3	2	1	25	2	1	22
1	3	3	3	22	2	0	14
1	3	3	2	15	1	0	18
1	3	2	1	10	1	0	17
1	1	2	1	30	2	0	26
1	3	2	1	22	2	1	22
1	3	3	2	15	1	0	14
1	1	2	1	11	1	0	19
1	2	2	1	30	4	1	14
1	2	2	1	22	2	1	7
1	5	2	2	15	1	0	21
1	3	3	3	12	1	0	16
1	3	2	1	40	2	2	12
1	3	3	3	12	1		0
1	3	2	1	15	1	0	15
1	1	2	1	7	1	0	16
1	3	2	1	20	1	0	8
1	2	3	2	45	2	1	19
1	3	2	1	15	1	0	24
1	3	3	3	12	1	0	21
1	3	3	2	35	2	0	9
1	3	2	1	21	2	1	9
1	1	2	1	15	1	0	7
1	3	2	1	12	1	0	2
1	3	3	2	22	2	0	7
1	1	2	1	25	2	1	21
1	2	2	1	15	1	0	21
1	2	2	1	12	1	0	14
1	5	2	2	30	2	0	14
1	3	3	3	15	1	0	10
2	3	2	1	40	2	2	16
2	3	3	3	35	2	1	28

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	identification nr.	Her-2/neu	Cathepsin D	NM23
0	64	48	1041	Pos	Pos	Neg
0	39	52	1042	Pos	Pos	Pos
3	48	55	1043	Pos	Pos	Pos
0	46	39	1044	Pos	Pos	Neg
0	71	48	1045	Neg	Pos	Neg
0	46	51	1046	Neg	Neg	Neg
0	77	54	1047	Neg	Neg	Pos
0	47	40	1048	Neg	Neg	Pos
2	47	48	1049	Pos	Neg	Pos
0	64	51	1050	Pos	Pos	Neg
0	57	55	1051	Neg	Pos	Neg
3	48	40	1052	Neg	Neg	Pos
0	57	48	1053	Neg	Neg	Pos
0	55	52	1054	Neg	Neg	Pos
0	60	55	1055	Neg	Neg	Pos
7	48	39	1056	Neg	Neg	Neg
0	63	48	1057	Neg	Neg	Neg
0	54	46	1058	Neg	Neg	Pos
0	46	53	1059	Pos	Pos	Pos
	48	63	1060	Pos	Pos	Pos
0	70	66	1061	Pos	Pos	Pos
0	61	46	1062	Neg	Pos	Neg
0	79	57	1063	Neg	Neg	Pos
0	51	40	1064	Pos	Pos	Neg
0	73	48	1065	Pos	Pos	Neg
0	47	52	1066	Pos	Pos	Neg
3	41	55	1067	Pos	Neg	Neg
0	51	39	1068	Pos	Pos	Neg
0	78	48	1069	Pos	Pos	Neg
0	69	51	1070	Pos	Pos	Pos
16	42	48	1071	Pos	Pos	Pos
0	52	51	1072	Pos	Pos	Neg
0	62	55	1073	Pos	Pos	Neg
0	75	40	1074	Pos	Neg	Neg
0	43	48	1075	Pos	Neg	Pos
10	52	52	1076	Pos	Neg	Pos
0	56	55	1077	Pos	Neg	Pos
0	62	41	1078	Pos	Pos	Neg
8	44	49	1079	Pos	Pos	Neg
1	52	52	1080	Pos	Neg	Pos
0	57	55	1081	Pos	Neg	Pos
0	40	41	1082	Pos	Neg	Pos
9	44	49	1083	Pos	Neg	Pos
	52	52	1084	Pos	Neg	Neg
0	52	55	1085	Pos	Neg	Neg
0	58	42	1086	Pos	Neg	Pos
0	55	49	1087	Pos	Pos	Pos
3	48	52	1088	Pos	Pos	Pos
0	61	55	1089	Pos	Pos	Pos
0	60	42	1090	Pos	Neg	Neg
0	45	49	1091	Pos	Neg	Neg
1	53	53	1092	Pos	Pos	Neg
0	68	55	1093	Pos	Pos	Pos
0	41	48	1094	Pos	Neg	Pos
0	46	51	1095	Pos	Neg	Neg
3	53	55	1096	Pos	Neg	Neg
0	63	40	1097	Pos	Neg	Neg
0	66	48	1098	Pos	Neg	Neg
0	46	52	1099	Pos	Neg	Neg
0	57	55	1100	Pos	Neg	Neg
9	40	41	1101	Pos	Neg	Neg
5	48	49	1102	Pos	Pos	Pos

[illegible][illegible]

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

localization	Coordinates	Category	Histologic type	Subtype
B 7g	4800/4800	breast cancer, ductal	ductal	comedo, high grade
B 7h	5600/4800	breast cancer, ductal	ductal	solid, low grade
B 7i	6400/4800	breast cancer, ductal	ductal	comedo, high grade
B 7j	7200/4800	breast cancer, ductal	ductal	micropapillary, low grade
B 7k	8000/4800	breast cancer, ductal	ductal	comedo, high grade
B 7l	8800/4800	breast cancer, ductal	ductal	micropapillary, low grade
B 7m	9600/4800	breast cancer, ductal	ductal	comedo, high grade
B 7n	10400/4800	breast cancer, ductal	ductal	comedo, high grade
B 7o	11200/4800	breast cancer, ductal	ductal	comedo, high grade
B 7p	12000/4800	breast cancer, ductal	ductal	cribriform, low grade
B 8a	0/5600	breast cancer, ductal	ductal	comedo, high grade
B 8b	800/5600	breast cancer, ductal	ductal	comedo, high grade
B 8c	1600/5600	breast cancer, ductal	ductal	solid, low grade
B 8d	2400/5600	breast cancer, ductal	ductal	comedo, high grade
B 8e	3200/5600	breast cancer, ductal	ductal	solid, low grade
B 8f	4000/5600	breast cancer, ductal	ductal	comedo, high grade
B 8g	4800/5600	breast cancer, ductal	ductal	solid, low grade
B 8h	5600/5600	breast cancer, ductal	ductal	comedo, high grade
B 8i	6400/5600	breast cancer, ductal	ductal	solid, low grade
B 8j	7200/5600	breast cancer, ductal	ductal	comedo, high grade
B 8k	8000/5600	breast cancer, ductal	ductal	micropapillary, low grade
B 8l	8800/5600	breast cancer, ductal	ductal	comedo, high grade
B 8m	9600/5600	breast cancer, ductal	ductal	comedo, high grade
B 8n	10400/5600	breast cancer, ductal	ductal	micropapillary, low grade
B 8o	11200/5600	breast cancer, ductal	ductal	comedo, high grade
B 8p	12000/5600	breast cancer, ductal	ductal	comedo, high grade
B 9a	0/6400	breast cancer, ductal	ductal	comedo, high grade
B 9b	800/6400	breast cancer, ductal	ductal	cribriform, low grade
B 9c	1600/6400	breast cancer, ductal	ductal	comedo, high grade
B 9d	2400/6400	breast cancer, ductal	ductal	comedo, high grade
B 9e	3200/6400	breast cancer, ductal	ductal	solid, low grade
B 9f	4000/6400	breast cancer, ductal	ductal	comedo, high grade
B 9g	4800/6400	breast cancer, ductal	ductal	solid, low grade
B 9h	5600/6400	breast cancer, ductal	ductal	comedo, high grade
B 9i	6400/6400	breast cancer, ductal	ductal	solid, low grade
B 9j	7200/6400	breast cancer, ductal	ductal	comedo, high grade
B 9k	8000/6400	breast cancer, ductal	ductal	solid, low grade
B 9l	8800/6400	breast cancer, ductal	ductal	comedo, high grade
B 9m	9600/6400	breast cancer, ductal	ductal	micropapillary, low grade
B 9n	10400/6400	breast cancer, ductal	ductal	comedo, high grade
B 9o	11200/6400	breast cancer, ductal	ductal	comedo, high grade
B 9p	12000/6400	breast cancer, ductal	ductal	comedo, high grade
		breast cancer, ductal		cribriform, low grade
C 1a	0/0	breast cancer, ductal	ductal	comedo, high grade
C 1b	800/0	breast cancer, ductal	ductal	comedo, high grade
C 1c	1600/0	breast cancer, ductal	ductal	comedo, high grade
C 1d	2400/0	breast cancer, ductal	ductal	comedo, high grade
C 1e	3200/0	breast cancer, ductal	ductal	solid, low grade
C 1f	4000/0	breast cancer, ductal	ductal	comedo, high grade
C 1g	4800/0	breast cancer, ductal	ductal	micropapillary, low grade
C 1h	5600/0	breast cancer, ductal	ductal	comedo, high grade
C 1i	6400/0	breast cancer, ductal	ductal	comedo, high grade
C 1j	7200/0	breast cancer, ductal	ductal	micropapillary, low grade
C 2a	0/800	breast cancer, ductal	ductal	comedo, high grade
C 2b	800/800	breast cancer, ductal	ductal	comedo, high grade
C 2c	1600/800	breast cancer, ductal	ductal	comedo, high grade
C 2d	2400/800	breast cancer, ductal	ductal	cribriform, low grade
C 2e	3200/800	breast cancer, ductal	ductal	comedo, high grade
C 2f	4000/800	breast cancer, ductal	ductal	comedo, high grade
C 2g	4800/800	breast cancer, ductal	ductal	solid, low grade
C 2h	5600/800	breast cancer, ductal	ductal	comedo, high grade
C 2i	6400/800	breast cancer, ductal	ductal	solid, low grade

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
2	3	2	1	19	1	0	5
2	1	2	1	22	4	1	12
2	2	2	1	45	2	1	16
2	5	2	2	10	1	0	23
2	3	3	3	18	1	0	10
2	3	2	1	60	3	2	10
2	3	3	3	12	1	1	16
2	3	2	1	13	1	0	12
2	1	2	1	24	2	1	22
2	3	2	1	25	2	0	10
2	2	3	2	40	2	2	36
2	3	2	1	25	2	0	16
2	3	3	3	11	1	0	11
2	3	3	2	20	1	1	9
2	3	2	1	11	1	0	19
2	1	2	1	13	1	0	14
2	3	2	1	30	4	0	20
2	3	3	2	24	2	1	14
2	1	2	1	27	2	1	14
2	2	2	1	18	1	0	16
2	2	2	1	24	2	1	10
2	5	2	2	25	2	1	15
2	3	3	3	12	1	0	25
2	3	2	1	22	2	0	16
2	3	3	3	60	3	2	18
2	3	2	1	28	2	1	27
2	1	2	1	25	2	1	19
2	3	3	3	15	1	1	23
2	3	3	2	22	2	0	17
2	3	3	2	30	2	1	23
2	3	2	1	19	1	1	31
2	3	3	3	25	2	1	27
2	3	3	2	76	3	1	28
2	3	2	1	12	1	0	16
2	1	2	1	15	1	0	15
2	3	2	1	30	2	1	25
2	3	3	2	16	1	0	40
2	1	2	1	15	1	0	16
2	2	2	1	27	2	0	33
2	2	2	1	35	2	1	28
2	5	2	2	17	1	0	33
2	3	3	3	13	1	1	12
	3	2	1				
2	3	3	3	15	4	1	8
2	3	2	1	18	1	1	27
2	1	2	1	24	2		0
2	3	2	1	40	2	1	22
2	2	3	2	24	2	0	26
2	3	2	1	22	2	1	19
2	3	2	1	18	1	1	10
2	3	2	1	15	1	1	16
2	3	2	1	20	1	1	31
2	3	2	1	40	2	2	16
2	3	3	1	78	4	1	12
2	3	3	3	29	2	1	13
2	3	3	3	30	2	0	15
2	2	3	1		3	1	16
2	3	3	2	8	1	0	22
2	3	2	2	30	2	1	11
3	2	3	1	28	2	0	21
3	2	2	1	19	1	2	18
3	2	1	1	22	2	1	12

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	identification nr.	Her-2/neu	Cathepsin D	NM23
0	52	52	1103	Pos	Pos	Pos
1	55	55	1104	Neg	Pos	Pos
7	39	41	1105	Neg	Neg	Pos
0	48	49	1106	Neg	Neg	Neg
0	51	52	1107	Neg	Pos	Pos
6	54	55	1108	Pos	Pos	Pos
16	40	42	1109	Pos	Pos	Pos
0	48	49	1110	Neg	Pos	Neg
3	51	52	1111	Pos	Pos	Pos
0	55	55	1112	Pos	Pos	Pos
34	40	42	1113	Pos	Pos	Pos
0	48	49	1114	Pos	Pos	Pos
0	52	53	1115	Pos	Pos	Pos
7	55	55	1116	Pos	Pos	Pos
0	41	43	1117	Pos	Pos	Neg
0	49	49	1118	Pos	Pos	Neg
0	52	53	1119	Pos	Pos	Neg
1	55	56	1120	Pos	Pos	Neg
8	41	57	1121	Neg	Neg	Neg
0	49	58	1122	Neg	Neg	Neg
2	52	84	1123	Neg	Pos	Neg
1	55	60	1124	Pos	Pos	Neg
0	42	41	1125	Pos	Pos	Neg
0	49	45	1126	Pos	Pos	Neg
7	52	48	1127	Pos	Neg	Pos
6	55	64	1128	Pos	Neg	Neg
5	42	39	1129	Pos	Neg	Neg
3	49	48	1130	Neg	Pos	Neg
0	53	46	1131	Pos	Neg	Neg
2	55	71	1132	Pos	Pos	Neg
1	43	46	1133	Pos	Pos	Neg
2	49	77	1134	Pos	Pos	Pos
4	53	47	1135	Pos	Pos	Pos
0	56	47	1136	Pos	Pos	Neg
0	45	64	1137	Neg	Pos	Neg
1	49	57	1138	Neg	Neg	Neg
0	54	48	1139	Neg	Neg	Pos
0	56	57	1140	Neg	Neg	Pos
0	46	55	1141	Pos	Neg	Pos
6	49	60	1142	Pos	Pos	Neg
0	54	48	1143	Neg	Pos	Neg
2	46	64	1144	Neg	Neg	Pos
		57		Neg	Neg	Pos
5	50	48	1145	Neg	Neg	Pos
2	54	57	1146	Neg	Neg	Pos
	40	64	1147	Neg	Neg	Neg
5	48	57	1148	Neg	Neg	Neg
0	52	48	1149	Neg	Neg	Pos
3	55	57	1150	Pos	Pos	Pos
1	46	55	1151	Pos	Pos	Pos
9	50	60	1152	Pos	Pos	Pos
1	54	48	1153	Neg	Pos	Neg
16	46	64	1154	Neg	Neg	Pos
8	50	57	1155	Pos	Pos	Neg
2	54	48	1156	Pos	Pos	Neg
0	37	57	1157	Pos	Pos	Neg
7	47	55	1158	Pos	Neg	Neg
0	51	60	1159	Pos	Pos	Neg
7	54	48	1160	Pos	Pos	Neg
0	46	7	1161	Pos	Pos	Pos
1	53	17	1162	Pos	Pos	Pos
7	38	2	1163	Pos	Pos	Neg

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

localization	Coordinates	Category	Histologic type	Subtype
C 2j	7200/800	breast cancer, ductal	ductal	comedo, high grade
C 3a	0/1600	breast cancer, ductal	ductal	solid, low grade
C 3b	800/1600	breast cancer, ductal	ductal	comedo, high grade
C 3c	1600/1600	breast cancer, ductal	ductal	solid, low grade
C 3d	2400/1600	breast cancer, ductal	ductal	solid, low grade
C 3e	3200/1600	breast cancer, ductal	ductal	comedo, high grade
C 3f	4000/1600	breast cancer, ductal	ductal	solid, low grade
C 3g	4800/1600	breast cancer, ductal	ductal	comedo, high grade
C 3h	5600/1600	breast cancer, ductal	ductal	solid, low grade
C 3i	6400/1600	breast cancer, ductal	ductal	comedo, high grade
C 3j	7200/1600	breast cancer, ductal	ductal	solid, low grade
C 4a	0/2400	breast cancer, ductal	ductal	comedo, high grade
C 4b	800/2400	breast cancer, ductal	ductal	comedo, high grade
C 4c	1600/2400	breast cancer, ductal	ductal	solid, low grade
C 4d	2400/2400	breast cancer, ductal	ductal	comedo, high grade
C 4e	3200/2400	breast cancer, ductal	ductal	solid, low grade
C 4f	4000/2400	breast cancer, ductal	ductal	comedo, high grade
C 4g	4800/2400	breast cancer, ductal	ductal	micropapillary, low grade
C 4h	5600/2400	breast cancer, ductal	ductal	comedo, high grade
C 4i	6400/2400	breast cancer, ductal	ductal	solid, low grade
C 4j	7200/2400	breast cancer, ductal	ductal	comedo, high grade
C 5a	0/3200	breast cancer, ductal	ductal	micropapillary, low grade
C 5b	800/3200	breast cancer, ductal	ductal	comedo, high grade
C 5c	1600/3200	breast cancer, ductal	ductal	comedo, high grade
C 5d	2400/3200	breast cancer, ductal	ductal	comedo, high grade
C 5e	3200/3200	breast cancer, ductal	ductal	cribriform, low grade
C 5f	4000/3200	breast cancer, ductal	ductal	comedo, high grade
C 5g	4800/3200	breast cancer, ductal	ductal	comedo, high grade
C 5h	5600/3200	breast cancer, ductal	ductal	solid, low grade
C 5i	6400/3200	breast cancer, ductal	ductal	comedo, high grade
C 5j	7200/3200	breast cancer, ductal	ductal	solid, low grade
C 6a	0/4000	breast cancer, ductal	ductal	comedo, high grade
C 6b	800/4000	breast cancer, ductal	ductal	solid, low grade
C 6c	1600/4000	breast cancer, ductal	ductal	comedo, high grade
C 6d	2400/4000	breast cancer, ductal	ductal	solid, low grade
C 6e	3200/4000	breast cancer, ductal	ductal	comedo, high grade
C 6f	4000/4000	breast cancer, ductal	ductal	micropapillary, low grade
C 6g	4800/4000	breast cancer, ductal	ductal	comedo, high grade
C 6h	5600/4000	breast cancer, ductal	ductal	comedo, high grade
C 6i	6400/4000	breast cancer, ductal	ductal	micropapillary, low grade
C 6j	7200/4000	breast cancer, ductal	ductal	comedo, high grade
C 7a	0/4800	breast cancer, ductal	ductal	comedo, high grade
C 7b	800/4800	breast cancer, ductal	ductal	comedo, high grade
C 7c	1600/4800	breast cancer, ductal	ductal	cribriform, low grade
C 7d	2400/4800	breast cancer, ductal	ductal	comedo, high grade
C 7e	3200/4800	breast cancer, ductal	ductal	comedo, high grade
C 7f	4000/4800	breast cancer, ductal	ductal	comedo, high grade
C 7g	4800/4800	breast cancer, ductal	ductal	comedo, high grade
C 7h	5600/4800	breast cancer, ductal	ductal	solid, low grade
C 7i	6400/4800	breast cancer, ductal	ductal	comedo, high grade
C 7j	7200/4800	breast cancer, ductal	ductal	solid, low grade
C 8a	0/5600	breast cancer, ductal	ductal	comedo, high grade
C 8b	800/5600	breast cancer, ductal	ductal	solid, low grade
C 8c	1600/5600	breast cancer, ductal	ductal	comedo, high grade
C 8d	2400/5600	breast cancer, ductal	ductal	solid, low grade
C 8e	3200/5600	breast cancer, ductal	ductal	comedo, high grade
C 8f	4000/5600	breast cancer, ductal	ductal	micropapillary, low grade
C 8g	4800/5600	breast cancer, ductal	ductal	comedo, high grade
C 8h	5600/5600	breast cancer, ductal	ductal	comedo, high grade
C 8i	6400/5600	breast cancer, ductal	ductal	micropapillary, low grade
C 8j	7200/5600	breast cancer, ductal	ductal	comedo, high grade
C 9a	0/6400	breast cancer, ductal	ductal	solid, low grade

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
3	2	2	1	15	1	1	26
3	3	2	1	17	1	0	7
3	3	3	3	30	2		0
3	3	3	2	35	2	1	21
3	2	1	1	42	2	1	26
3	3	3	1	20	1	1	20
3	3	3	3	17	1	0	12
3	5	2	2	38	2	0	16
3	3	2	1	17	1	1	31
3	1	2	1	30	2		0
3	3	2	1	23	2	0	28
3	3	3	3	17	1	1	21
3	3	3	2	25	2	1	19
3	2	2	1	13	1	0	27
3	2	2	1	24	2	2	13
3	2	3	1	23	2	1	20
3	2	3	1	21	2	0	20
3	3	3	2	38	2	1	19
3	1	2	1	80	4	2	12
3	3	3	1	21	2	0	20
3	3	3	1	40	4	1	14
3	3	2	3	36	4		0
3	3	2	3	40	2	1	24
3	3	3	3	22	2	0	20
3	3	3	2	22	2	0	13
3	3	3	2	16	1	0	16
3	3	2	1		2	0	18
3	3	3	3	20	1	1	15
3	3	3	2	22	2	1	11
3	2	2	1		2	2	15
3	2	2	1	21	2	1	11
3	5	2	2	60	3	1	19
3	3	3	3	60	4		0
3	3	2	1	23	2	1	12
3	3	3	3	40	2	1	29
3	3	2	1	13	1	0	30
3	1	2	1		4		0
3	3	3	3	22	2	0	9
3	3	3	2	35	2	1	8
3	3	3	2		2	0	12
3	3	2	1	7	1	0	11
3	3	3	3		1	1	25
3	3	3	2	14	1	0	12
3	3	2	1	11	1	1	9
3	1	2	1	35	2	1	17
3	3	2	1	24	2	0	24
3	3	3	2	52	3	0	28
3	1	2	1	18	1	1	22
3	2	2	1	14	1	0	27
3	2	2	1	34	2	0	17
3	5	2	2	33	2	1	18
3	3	3	3	28	2	1	34
3	3	2	1	23	2	0	14
3	3	3	3	35	2	0	6
3	3	2	1	35	2	1	24
3	1	2	1	37	2	1	20
3	3	2	1	20	1	1	21
2	2	3	2	15	4	1	8
2	3	2	1	18	1	1	27
2	3	2	1	24	2		0
2	3	2	1	40	2	1	22
2	3	2	1	24	2	0	26

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	identification nr.	Her-2/neu	Cathepsin D	NM23
5	50	10	1164	Pos	Pos	Neg
0	46	10	1165	Pos	Neg	Neg
	48	17	1166	Pos	Neg	Pos
8	37	19	1167	Pos	Neg	Pos
6	44	21	1168	Pos	Neg	Pos
3	52	26	1169	Pos	Pos	Neg
0	49	10	1170	Pos	Pos	Neg
0	38	20	1171	Pos	Neg	Pos
7	45	15	1172	Pos	Neg	Pos
	52	14	1173	Pos	Pos	Pos
0	50	0	1174	Pos	Pos	Pos
1	38	10	1175	Pos	Pos	Pos
4	45	24	1176	Pos	Pos	Pos
0	53	12	1177	Pos	Neg	Neg
11	46	29	1178	Pos	Neg	Neg
1	54	23	1179	Pos	Neg	Pos
0	40	10	1180	Pos	Pos	Pos
2	50	7	1181	Pos	Pos	Pos
4	46	17	1182	Pos	Pos	Pos
0	40	2	1183	Pos	Pos	Neg
7	50	10	1184	Pos	Pos	Neg
	46	10	1185	Neg	Pos	Neg
1	41	17	1186	Neg	Neg	Pos
0	51	19	1187	Neg	Pos	Neg
0	47	21	1188	Neg	Pos	Pos
0	42	26	1189	Neg	Pos	Pos
0	51	10	1190	Neg	Pos	Pos
1	47	20	1191	Neg	Pos	Pos
4	42	15	1192	Pos	Pos	Pos
8	51	14	1193	Pos	Pos	Pos
1	47	0	1194	Pos	Pos	Pos
15	42	10	1195	Neg	Pos	Pos
	51	24	1196	Neg	Neg	Pos
1	47	12	1197	Neg	Neg	Neg
14	33	29	1198	Neg	Pos	Pos
0	43	10	1199	Neg	Pos	Pos
	51	17	1200	Neg	Pos	Pos
0	48	19	1201	Neg	Pos	Neg
4	35	1	1202	Neg	Pos	Pos
0	43	26	1203	Neg	Pos	Neg
0	52	0	1204	Pos	Pos	Neg
1	46	20	1205	Pos	Pos	Neg
0	54	15	1206	Pos	Pos	Neg
1	39	14	1207	Neg	Pos	Pos
2	50	0	1208	Pos	Pos	Pos
0	48	10	1209	Pos	Pos	Pos
0	37	24	1210	Pos	Pos	Pos
3	43	0	1211	Pos	Pos	Pos
0	52	29	1212	Neg	Neg	Neg
0	48	23	1213	Neg	Neg	Neg
10	37	10	1214	Neg	Neg	Pos
1	44	9	1215	Pos	Pos	Pos
0	52	17	1216	Pos	Pos	Pos
0	48	2	1217	Pos	Pos	Pos
11	37	10	1218	Pos	Pos	Neg
2	44	60	1219	Neg	Pos	Neg
14	52	48	1220	Neg	Pos	Neg
5	50	7		Neg	Neg	Pos
2	54	17		Pos	Pos	Neg
	40	2		Pos	Pos	Pos
5	48	10		Pos	Pos	Pos
0	52	10		Pos	Pos	Pos

32353	32354	32355	32356	32357	32358	32359	32360	32361	32362	32363	32364	32365	32366	32367	32368	32369	32370	32371	32372	32373	32374	32375	32376	32377	32378	32379	32380	32381	32382	32383	32384	32385	32386	32387	32388	32389	32390	32391	32392	32393	32394	32395	32396	32397	32398	32399	32400	32401	32402	32403	32404	32405	32406	32407	32408	32409	32410	32411	32412	32413	32414	32415	32416	32417	32418	32419	32420	32421	32422	32423	32424	32425	32426	32427	32428	32429	32430	32431	32432	32433	32434	32435	32436	32437	32438	32439	32440	32441	32442	32443	32444	32445	32446	32447	32448	32449	32450	32451	32452	32453	32454	32455	32456	32457	32458	32459	32460	32461	32462	32463	32464	32465	32466	32467	32468	32469	32470	32471	32472	32473	32474	32475	32476	32477	32478	32479	32480	32481	32482	32483	32484	32485	32486	32487	32488	32489	32490	32491	32492	32493	32494	32495	32496	32497	32498	32499	32500	32501	32502	32503	32504	32505	32506	32507	32508	32509	32510	32511	32512	32513	32514	32515	32516	32517	32518	32519	32520	32521	32522	32523	32524	32525	32526	32527	32528	32529	32530	32531	32532	32533	32534	32535	32536	32537	32538	32539	32540	32541	32542	32543	32544	32545	32546	32547	32548	32549	32550	32551	32552	32553	32554	32555	32556	32557	32558	32559	32560	32561	32562	32563	32564	32565	32566	32567	32568	32569	32570	32571	32572	32573	32574	32575	32576	32577	32578	32579	32580	32581	32582	32583	32584	32585	32586	32587	32588	32589	32590	32591	32592	32593	32594	32595	32596	32597	32598	32599	32600	32601	32602	32603	32604	32605	32606	32607	32608	32609	32610	32611	32612	32613	32614	32615	32616	32617	32618	32619	32620	32621	32622	32623	32624	32625	32626	32627	32628	32629	32630	32631	32632	32633	32634	32635	32636	32637	32638	32639	32640	32641	32642	32643	32644	32645	32646	32647	32648	32649	32650	32651	32652	32653	32654	32655	32656	32657	32658	32659	32660	32661	32662	32663	32664	32665	32666	32667	32668	32669	32670	32671	32672	32673	32674	32675	32676	32677	32678	32679	32680	32681	32682	32683	32684	32685	32686	32687	32688	32689	32690	32691	32692	32693	32694	32695	32696	32697	32698	32699	32700	32701	32702	32703	32704	32705	32706	32707	32708	32709	32710	32711	32712	32713	32714	32715	32716	32717	32718	32719	32720	32721	32722	32723	32724	32725	32726	32727	32728	32729	32730	32731	32732	32733	32734	32735	32736	32737	32738	32739	32740	32741	32742	32743	32744	32745	32746	32747	32748	32749	32750	32751	32752	32753	32754	32755	32756	32757	32758	32759	32760	32761
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p53	ER	PR	p21	p57	mdm2	BRCA 1	BRCA 2
Pos	Pos	Neg	Pos	Pos	Pos	Neg	Neg
Pos	Pos	Neg	Neg	Pos	Pos	Neg	Neg
Neg	Neg	Neg	Pos	Pos	Pos	Neg	Neg
Neg	Pos	Neg	Pos	Pos	Pos	Neg	Neg
Neg	Pos	Neg	Pos	Neg	Pos	Neg	Neg
Pos	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Pos	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Pos	Pos	Neg	Pos	Neg	Pos	Neg	Neg
Pos	Pos	Neg	Pos	Neg	Neg	Neg	Neg
Neg	Neg	Pos	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Neg	Pos	Neg	Neg
Neg	Pos	Neg	Pos	Neg	Pos	Neg	Neg
Neg	Pos	Neg	Pos	Neg	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Pos	Neg	Neg	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Neg	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Neg	Neg	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Pos	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Pos	Pos	Neg	Neg
Pos	Pos	Neg	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Neg	Neg	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Pos	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Neg	Pos	Neg	Neg
Neg	Pos	Neg	Pos	Neg	Pos	Neg	Neg
Neg	Pos	Neg	Pos	Neg	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Neg	Neg	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Pos	Neg	Neg	Pos	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Neg	Pos	Neg	Neg
Neg	Neg	Neg	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Pos
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Pos	Neg	Neg

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

Localization	Coordinates	Category	Histologic type	Subtype
C 9b	800/6400	breast cancer, ductal	ductal	comedo, high grade
C 9c	1600/6400	breast cancer, ductal	ductal	solid, low grade
C 9d	2400/6400	breast cancer, ductal	ductal	comedo, high grade
C 9e	3200/6400	breast cancer, ductal	ductal	solid, low grade
C 9f	4000/6400	breast cancer, ductal	ductal	comedo, high grade
C 9g	4800/6400	breast cancer, ductal	ductal	solid, low grade
C 9h	5600/6400	breast cancer, ductal	ductal	comedo, high grade
C 9i	6400/6400	breast cancer, ductal	ductal	comedo, high grade
C 9j	7200/6400	breast cancer, ductal	ductal	solid, low grade
		breast cancer, ductal	ductal	comedo, high grade
D 1a	0/0	breast cancer, ductal	ductal	solid, low grade
D 1b	800/0	breast cancer, ductal	ductal	comedo, high grade
D 1c	1600/0	breast cancer, ductal	ductal	micropapillary, low grade
D 1d	2400/0	breast cancer, ductal	ductal	comedo, high grade
D 1e	3200/0	breast cancer, ductal	ductal	solid, low grade
D 1f	4000/0	breast cancer, ductal	ductal	comedo, high grade
D 1g	4800/0	breast cancer, ductal	ductal	micropapillary, low grade
D 1h	5600/0	breast cancer, ductal	ductal	comedo, high grade
D 1i	6400/0	breast cancer, ductal	ductal	comedo, high grade
D 1j	7200/0	breast cancer, ductal	ductal	comedo, high grade
D 2a	0/800	breast cancer, ductal	ductal	cribriform, low grade
D 2b	800/800	breast cancer, ductal	ductal	comedo, high grade
D 2c	1600/800	breast cancer, ductal	ductal	comedo, high grade
D 2d	2400/800	breast cancer, ductal	ductal	solid, low grade
D 2e	3200/800	breast cancer, ductal	ductal	comedo, high grade
D 2f	4000/800	breast cancer, ductal	ductal	solid, low grade
D 2g	4800/800	breast cancer, ductal	ductal	comedo, high grade
D 2h	5600/800	breast cancer, ductal	ductal	solid, low grade
D 2i	6400/800	breast cancer, ductal	ductal	comedo, high grade
D 2j	7200/800	breast cancer, ductal	ductal	solid, low grade
D 3a	0/1600	breast cancer, ductal	ductal	comedo, high grade
D 3b	800/1600	breast cancer, ductal	ductal	micropapillary, low grade
D 3c	1600/1600	breast cancer, ductal	ductal	comedo, high grade
D 3d	2400/1600	breast cancer, ductal	ductal	comedo, high grade
D 3e	3200/1600	breast cancer, ductal	ductal	micropapillary, low grade
D 3f	4000/1600	breast cancer, ductal	ductal	comedo, high grade
D 3g	4800/1600	breast cancer, ductal	ductal	comedo, high grade
D 3h	5600/1600	breast cancer, ductal	ductal	comedo, high grade
D 3i	6400/1600	breast cancer, ductal	ductal	cribriform, low grade
D 3j	7200/1600	breast cancer, ductal	ductal	comedo, high grade
D 4a	0/2400	breast cancer, ductal	ductal	comedo, high grade
D 4b	800/2400	breast cancer, ductal	ductal	comedo, high grade
D 4c	1600/2400	breast cancer, ductal	ductal	comedo, high grade
D 4d	2400/2400	breast cancer, ductal	ductal	solid, low grade
D 4e	3200/2400	breast cancer, ductal	ductal	comedo, high grade
D 4f	4000/2400	breast cancer, ductal	ductal	solid, low grade
D 4g	4800/2400	breast cancer, ductal	ductal	comedo, high grade
D 4h	5600/2400	breast cancer, ductal	ductal	solid, low grade
D 4i	6400/2400	breast cancer, ductal	ductal	comedo, high grade
D 4j	7200/2400	breast cancer, ductal	ductal	solid, low grade
D 5a	0/3200	breast cancer, ductal	ductal	comedo, high grade
D 5b	800/3200	breast cancer, ductal	ductal	micropapillary, low grade
D 5c	1600/3200	breast cancer, ductal	ductal	comedo, high grade
D 5d	2400/3200	breast cancer, ductal	ductal	comedo, high grade
D 5e	3200/3200	breast cancer, ductal	ductal	micropapillary, low grade
D 5f	4000/3200	breast cancer, ductal	ductal	comedo, high grade
D 5g	4800/3200	breast cancer, ductal	ductal	comedo, high grade
D 5h	5600/3200	breast cancer, ductal	ductal	comedo, high grade
D 5i	6400/3200	breast cancer, ductal	ductal	comedo, high grade
D 5j	7200/3200	breast cancer, ductal	ductal	solid, low grade
D 6a	0/4000	breast cancer, ductal	ductal	comedo, high grade
D 6b	800/4000	breast cancer, ductal	ductal	comedo, high grade

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
2	3	2	1	22	2	1	19
2	3	3	1	18	1	1	10
2	3	3	3	15	4	1	8
2	3	3	3	18	1	1	27
2	2	3	1	24	2		0
2	3	3	2	40	2	1	22
2	3	2	2	24	2	0	26
2	2	3	1	22	2	1	19
2	2	2	1	18	1	1	10
2	2	1	1	15	1	1	16
2	2	2	1	20	1	1	31
2	3	2	1	40	2	2	16
2	3	3	3	78	4	1	12
2	3	3	2	29	2	1	13
2	2	1	1	24	2	0	26
2	3	3	1	22	2	1	19
2	3	3	3	18	1	1	10
2	5	2	2	15	1	1	16
2	3	2	1	20	1	1	31
2	1	2	1	40	2	2	16
2	3	2	1	78	4	1	12
2	3	3	3	29	2	1	13
2	3	3	2	30	2	0	15
2	2	2	1		3	1	16
2	2	2	1	8	1	0	22
2	2	3	1	30	2	1	11
3	2	3	1	28	2	0	21
3	3	3	2	19	1	2	18
3	1	2	1	22	2	1	12
3	3	3	1	15	1	1	26
3	3	3	1	17	1	0	7
3	3	2	3	30	2		0
3	3	2	3	35	2	1	21
3	3	3	3	42	2	1	26
3	3	3	2	20	1	1	20
3	3	3	2	17	1	0	12
3	3	2	1	38	2	0	16
3	3	3	3	17	1	1	31
3	3	3	2	30	2		0
3	2	2	1	23	2	0	28
3	2	2	1	17	1	1	21
3	5	2	2	25	2	1	19
3	3	3	3	13	1	0	27
3	3	2	1	24	2	2	13
3	3	3	3	23	2	1	20
3	3	2	1	21	2	0	20
3	1	2	1	38	2	1	19
3	3	3	3	80	4	2	12
3	3	3	2	21	2	0	20
3	3	2	1	40	4	1	14
3	3	3	3	36	4		0
3	3	3	3	40	2	1	24
3	3	3	2	22	2	0	20
3	3	2	1	22	2	0	13
3	1	2	1	16	1	0	16
3	3	2	1		2	0	18
3	3	3	2	20	1	1	15
3	1	2	1	22	2	1	11
3	2	2	1		2	2	15
3	2	2	1	21	2	1	11
3	5	2	2	60	3	1	19
3	3	3	3	60	4		0

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	identification nr.	Her-2/neu	Cathepsin D	NM23
3	55	8		Pos	Pos	Pos
1	46	19		Pos	Pos	Pos
5	50	5		Pos	Neg	Pos
2	54	26		Pos	Neg	Neg
	40	10		Pos	Neg	Neg
5	48	20		Pos	Neg	Neg
0	52	15		Pos	Pos	Neg
3	55	14		Pos	Pos	Pos
1	46	0		Pos	Neg	Pos
9	50	10		Pos	Neg	Neg
1	54	24	1145	Pos	Neg	Neg
16	46	12	1146	Pos	Neg	Neg
8	50	29	1147	Neg	Neg	Neg
2	54	23	1148	Neg	Neg	Neg
0	52	10	1149	Neg	Neg	Neg
3	55	7	1150	Neg	Neg	Neg
1	46	17	1151	Pos	Pos	Pos
9	50	10	1152	Pos	Pos	Pos
1	54	10	1153	Neg	Pos	Pos
16	46	8	1154	Neg	Neg	Pos
8	50	19	1155	Neg	Neg	Neg
2	54	5	1156	Neg	Pos	Pos
0	37	26	1157	Neg	Pos	Pos
7	47	10	1158	Neg	Pos	Pos
0	51	20	1159	Neg	Pos	Neg
7	54	15	1160	Neg	Pos	Pos
0	46	14	1161			
1	53	0	1162	Pos	Neg	Pos
7	38	10	1163	Pos	Neg	Neg
5	50	24	1164	Pos	Neg	Neg
0	46	12	1165	Pos	Neg	Neg
	48	29	1166	Neg	Neg	Neg
8	37	26	1167	Neg	Neg	Neg
6	44	0	1168	Neg	Neg	Neg
3	52	20	1169	Neg	Neg	Neg
0	49	15	1170	Pos	Pos	Pos
0	38	14	1171	Pos	Pos	Pos
7	45	0	1172	Neg	Pos	Pos
	52	10	1173	Neg	Neg	Pos
0	50	24	1174	Neg	Neg	Neg
1	38	0	1175	Neg	Pos	Pos
4	45	29	1176	Neg	Pos	Pos
0	53	23	1177	Neg	Pos	Pos
11	46	10	1178	Neg	Pos	Neg
1	54	9	1179	Neg	Pos	Pos
0	40	17	1180	Neg	Pos	Neg
2	50	2	1181	Pos	Pos	Neg
4	46	10	1182	Pos	Pos	Neg
0	40	60	1183	Pos	Pos	Neg
7	50	48	1184	Neg	Pos	Pos
	46	7	1185	Pos	Pos	Pos
1	41	17	1186	Pos	Pos	Pos
0	51	2	1187	Pos	Pos	Pos
0	47	10	1188	Pos	Pos	Pos
0	42	10	1189	Neg	Neg	Neg
0	51	8	1190	Neg	Neg	Neg
1	47	19	1191	Neg	Neg	Pos
4	42	5	1192	Pos	Pos	Pos
8	51	26	1193	Pos	Pos	Pos
1	47	10	1194	Pos	Pos	Pos
15	42	20	1195	Pos	Pos	Neg
	51	15	1196	Neg	Pos	Neg

[illegible]

p53	ER	PR	p21	p57	mdm2	BRCA 1	BRCA 2
Pos	Pos	Pos	Pos	Neg	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Neg	Neg	Neg	Pos	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Neg	Pos	Neg	Neg
Pos	Neg	Neg	Pos	Neg	Pos	Neg	Neg
Pos	Neg	Neg	Pos	Neg	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Pos	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Pos	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Pos	Pos	Neg	Neg
Pos	Neg	Neg	Pos	Neg	Neg	Neg	Neg
Pos	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Pos	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Neg	Neg	Pos	Neg	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Pos	Pos	Neg	Neg
Pos	Pos	Neg	Pos	Neg	Neg	Neg	Neg
Pos	Pos	Neg	Neg	Neg	Neg	Neg	Neg
Pos	Pos	Neg	Neg	Neg	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Neg	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Pos	Pos	Neg	Neg
						Neg	Neg
Neg	Pos	Pos	Neg	Pos	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Pos	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Pos	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Neg	Neg	Neg	Neg
Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Pos	Neg	Neg	Pos	Neg	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Pos	Pos	Pos	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Pos	Pos	Neg	Neg
Pos	Pos	Neg	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Neg	Neg	Pos	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Pos	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Neg	Pos	Neg	Neg
Pos	Neg	Neg	Neg	Pos	Pos	Neg	Neg
Pos	Neg	Pos	Neg	Pos	Neg	Neg	Neg
Neg	Pos	Pos	Pos	Neg	Pos	Neg	Neg
Neg	Neg	Pos	Pos	Neg	Neg	Neg	Neg
Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Pos	Neg	Pos	Neg	Pos	Pos	Neg	Neg
Pos	Neg	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Neg	Neg	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg
Pos	Neg	Neg	Pos	Pos	Pos	Neg	Neg
Neg	Pos	Pos	Neg	Pos	Pos	Neg	Neg

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

localization	Coordinates	Category	Histologic type	Subtype
D 6c	1600/4000	breast cancer, ductal	ductal	solid, low grade
D 6d	2400/4000	breast cancer, ductal	ductal	comedo, high grade
D 6e	3200/4000	breast cancer, ductal	ductal	solid, low grade
D 6f	4000/4000	breast cancer, ductal	ductal	comedo, high grade
D 6g	4800/4000	breast cancer, ductal	ductal	micropapillary, low grade
D 6h	5600/4000	breast cancer, ductal	ductal	comedo, high grade
D 6i	6400/4000	breast cancer, ductal	ductal	solid, low grade
D 6j	7200/4000	breast cancer, ductal	ductal	comedo, high grade
D 7a	0/4800	breast cancer, ductal	ductal	micropapillary, low grade
D 7b	800/4800	breast cancer, ductal	ductal	comedo, high grade
D 7c	1600/4800	breast cancer, ductal	ductal	comedo, high grade
D 7d	2400/4800	breast cancer, ductal	ductal	comedo, high grade
D 7e	3200/4800	breast cancer, ductal	ductal	cribriform, low grade
D 7f	4000/4800	breast cancer, ductal	ductal	comedo, high grade
D 7g	4800/4800	breast cancer, ductal	ductal	comedo, high grade
D 7h	5600/4800	breast cancer, ductal	ductal	solid, low grade
D 7i	6400/4800	breast cancer, ductal	ductal	comedo, high grade
D 7j	7200/4800	breast cancer, ductal	ductal	solid, low grade
D 8a	0/5600	breast cancer, ductal	ductal	comedo, high grade
D 8b	800/5600	breast cancer, ductal	ductal	solid, low grade
D 8c	1600/5600	breast cancer, ductal	ductal	comedo, high grade
D 8d	2400/5600	breast cancer, ductal	ductal	solid, low grade
D 8e	3200/5600	breast cancer, ductal	ductal	comedo, high grade
D 8f	4000/5600	breast cancer, ductal	ductal	micropapillary, low grade
D 8g	4800/5600	breast cancer, ductal		comedo, high grade
D 8h	5600/5600	breast cancer, ductal		comedo, high grade
D 8i	6400/5600	breast cancer, ductal		micropapillary, low grade
D 8j	7200/5600	breast cancer, ductal		comedo, high grade
D 9a	0/6400	breast cancer, ductal		comedo, high grade
D 9b	800/6400	breast cancer, ductal		comedo, high grade
D 9c	1600/6400	breast cancer, ductal		cribriform, low grade
D 9d	2400/6400	breast cancer, ductal		comedo, high grade
D 9e	3200/6400	breast cancer, ductal		comedo, high grade
D 9f	4000/6400	breast cancer, ductal		comedo, high grade
D 9g	4800/6400	breast cancer, ductal		comedo, high grade
D 9h	5600/6400	breast cancer, ductal		solid, low grade
D 9i	6400/6400	breast cancer, ductal		comedo, high grade
D 9j	7200/6400	breast cancer, ductal		solid, low grade
Normal				
E 1a	0/0		normal brain	
E 1b	800/0		normal brain	
E 1c	1600/0		normal heart	
E 1d	2400/0		normal heart	
E 2a	0/800		normal lymph node	
E 2b	800/800		normal lymph node	
E 3a	0/1600		normal muscle	
E 3b	800/1600		normal muscle	
E 4a	0/2400		normal adrenal gland	
E 4b	800/2400		normal adrenal gland	
E 5a	0/3200		normal liver	
E 5b	800/3200		normal liver	
E 6a	0/4000		normal testis	
E 6b	800/4000		normal testis	
E 7a	0/4800		normal kidney	
E 7b	800/4800		normal kidney	
E 8a	0/5600		normal spleen	
E 8b	800/5600		normal spleen	
E 9a	0/6400		normal thyroid	
E 9b	800/6400		normal thyroid	
F 1a	0/0		normal brain	
F 1b	800/0		normal brain	

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
3	3	2	1	23	2	1	12
3	3	3	3	40	2	1	29
3	3	2	1	13	1	0	30
3	1	2	1		4		0
3	3	2	1	22	2	0	9
3	2	3	2	35	2	1	8
3	3	2	1		2	0	12
3	3	2	1	7	1	0	11
3	3	2	1		1	1	25
3	3	2	1	14	1	0	12
3	3	2	1	11	1	1	9
3	3	3	1	35	2	1	17
3	3	3	3	24	2	0	24
3	3	3	3	52	3	0	28
3	2	3	1	18	1	1	22
3	3	3	2	14	1	0	27
3	3	2	2	34	2	0	17
3	2	3	1	33	2	1	18
3	2	2	1	28	2	1	34
3	2	1	1	23	2	0	14
3	2	2	1	35	2	0	6
3	3	2	1	35	2	1	24
3	3	3	3	37	2	1	20
3	3	3	2	20	1	1	21
4	2	1	1	33	2	1	18
4	3	3	1	28	2	1	34
4	3	3	3	23	2	0	14
4	5	2	2	35	2	0	6
4	3	2	1	35	2	1	24
4	1	2	1	37	2	1	20
4	3	2	1	20	1	1	21
4	3	3	3	23	2	0	14
4	3	3	2	35	2	0	6
4	2	2	1	35	2	1	24
4	2	2	1	37	2	1	20
4	2	3	1	20	1	1	21
4	2	3	1	33	2	1	18
4	3	3	2	28	2	1	34

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	identification nr.	Her-2/neu	Cathepsin D	NM23
1	47	14	1197	Neg	Pos	Neg
14	33	0	1198	Pos	Pos	Neg
0	43	10	1199	Pos	Pos	Neg
	51	24	1200	Pos	Pos	Neg
0	48	12	1201	Neg	Neg	Pos
4	35	29	1202	Pos	Neg	Neg
0	43	23	1203	Pos	Neg	Neg
0	52	10	1204	Pos	Pos	Neg
1	46	7	1205	Pos	Neg	Neg
0	54	17	1206	Neg	Pos	Neg
1	39	10	1207	Neg	Neg	Neg
2	50	10	1208	Neg	Neg	Pos
0	48	8	1209	Pos	Pos	Pos
0	37	19	1210	Pos	Pos	Pos
3	43	5	1211	Pos	Pos	Pos
0	54	26	1212	Pos	Pos	Neg
0	40	10	1213	Neg	Pos	Neg
10	50	20	1214	Neg	Pos	Neg
1	46	15	1215	Neg	Neg	Pos
0	40	14	1216	Pos	Pos	Neg
0	50	0	1217	Pos	Pos	Pos
11	46	10	1218	Pos	Pos	Pos
2	41	24	1219	Pos	Pos	Pos
14	51	12	1220	Pos	Pos	Pos
10	47	29		Pos	Pos	Pos
1	54	23		Pos	Neg	Pos
0	40	10		Pos	Neg	Neg
0	50	10		Pos	Neg	Neg
11	46	10		Pos	Neg	Neg
2	40	8		Pos	Pos	Neg
14	50	19		Pos	Pos	Pos
0	46	5		Pos	Neg	Pos
0	41	26		Pos	Neg	Neg
11	51	10		Pos	Neg	Neg
2	47	20		Pos	Neg	Neg
14	42	15		Neg	Neg	Neg
10	51	14		Neg	Neg	Neg
1	47	0		Neg	Neg	Neg
	51		1221	Neg	Neg	Neg
	47		1222	Neg	Neg	Neg
	42		1223	Neg	Neg	Neg
	51		1224	Neg	Neg	Neg
	40		1225	Neg	Neg	Neg
	51		1226	Neg	Neg	Neg
	45		1227	Neg	Neg	Neg
	51		1228	Neg	Neg	Neg
	47		1229	Neg	Neg	Neg
	42		1230	Neg	Neg	Neg
	42		1231	Neg	Neg	Pos
	46		1232	Neg	Neg	Neg
	50		1233	Neg	Neg	Neg
	51		1234	Neg	Neg	Neg
	50		1235	Neg	Pos	Neg
	46		1236	Neg	Neg	Neg
	41		1237	Neg	Neg	Neg
	51		1238	Neg	Neg	Neg
	47		1239	Neg	Neg	Neg
	42		1240	Neg	Neg	Neg
				Neg	Neg	Neg
	49		1221	Neg	Neg	Neg
	51		1222	Neg	Neg	Neg

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

[illegible]

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

localization	Coordinates	Category	Histologic type	Subtype
F 1c	1600/0		normal heart	
F 1d	2400/0		normal heart	
F 2a	0/800		normal lymph node	
F 2b	800/800		normal lymph node	
F 3a	0/1600		normal muscle	
F 3b	800/1600		normal muscle	
F 4a	0/2400		normal adrenal gland	
F 4b	800/2400		normal adrenal gland	
F 5a	0/3200		normal liver	
F 5b	800/3200		normal liver	
F 6a	0/4000		normal testis	
F 6b	800/4000		normal testis	
F 7a	0/4800		normal kidney	
F 7b	800/4800		normal kidney	
F 8a	0/5600		normal spleen	
F 8b	800/5600		normal spleen	
F 9a	0/6400		normal thyroid	
F 9b	800/6400		normal thyroid	

Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

BRE grade	Tubuli	Polymorphy	Mitoses	Tumor diameter	pT	pN	LN all
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Appendix A
Table 14
Clinomics Breast Cancer Array Data for Known Molecular Markers

LN pos	age	Survival/Mo	identification nr.	Her-2/neu	Cathepsin D	NM23
	50		1223	Neg	Neg	Neg
	46		1224	Neg	Neg	Neg
	40		1225	Neg	Pos	Pos
	51		1226	Neg	Neg	Neg
	45		1227	Neg	Neg	Neg
	51		1228	Neg	Neg	Neg
	47		1229	Neg	Neg	Neg
	42		1230	Neg	Neg	Neg
	42		1231	Neg	Neg	Neg
	46		1232	Neg	Neg	Neg
	50		1233	Neg	Neg	Pos
	51		1234	Neg	Neg	Pos
	50		1235	Pos	Neg	Neg
	46		1236	Neg	Neg	Neg
	41		1237	Neg	Neg	Neg
	51		1238	Neg	Neg	Neg
	47		1239	Neg	Neg	Neg
	42		1240	Neg	Neg	Neg

Appendix A
Table 15
CS 200 83100 Cancer Screening Array
a-FKBP51 Data

Coordinates	Sex	Age	Organ	Tumor Type	Grad	Pt	Pn	LN	LN	DM	Surgery	Resection Margins	Clark Level	Distant Metastasis	a-FKBP51 Staining
Grid 1															
A-1	M	74	Colon	Adenocarcinoma	T3	N1	10	2	5	5	Colecotomy	Negative			2
A-2	F	81	Colon	Adenocarcinoma	T3	N1	14	3	5	5	Colecotomy	Negative			0
A-3	F	65	Colon	Adenocarcinoma	T3	N0	16	0	5	5	Colecotomy	Negative			0
A-4	M	67	Colon	Adenocarcinoma	T2	N0	10	0	1	1	Colecotomy	Negative			0
A-5	M	67	Colon	Adenocarcinoma	T3	N0	5	0	2	2	Colecotomy	Negative			2
A-6	F	83	Colon	Adenocarcinoma	T1	NX			2	2	Colecotomy	Negative			1
A-7	F	70	Colon	Adenocarcinoma	T3	NX			6	6	Colecotomy	Negative			3
A-8	F	79	Colon	Cloacogenic Carcinoma	T3	N2	7	7	4	4	Colecotomy	Negative			1
A-9	F	60	Colon	Adenocarcinoma	T3	N0	10	0	3	3	Colecotomy	Negative			2
A-10	F	52	Colon	Adenocarcinoma	T3	NX			2	2	Colecotomy	Negative			2
B-1	F	59	Colon	Adenocarcinoma	T2	NX			2	2	Colecotomy	Negative			N
B-2	F	71	Colon	Adenocarcinoma	T3	NX			2	2	Colecotomy	Negative			0
B-3	M	82	Colon	Adenocarcinoma	T1S	NX			1	1	Colecotomy	Negative			0
B-4	F	81	Colon	Adenocarcinoma	T1S	NX			1	1	Colecotomy	Negative			1
B-5	M	35	Colon	Adenocarcinoma	T1S	NX			3	3	Colecotomy	Negative			1
B-6	M	50	Colon	Adenocarcinoma	T1S	NX			1	1	Colecotomy	Negative			N
B-7	F	74	Colon	Adenocarcinoma	T1S	NX			1	1	Colecotomy	Negative			1
B-8	F	69	Colon	Adenocarcinoma	T3	N2	10	8	6	6	Colecotomy	Positive			1
B-9	M	71	Colon	Adenocarcinoma	T1S	N1	3	1	3	3	Colecotomy	Positive			2
B-10	F	52	Colon	Adenocarcinoma	T3	NX			2	2	Colecotomy	Positive			3
C-1	M	82	Prostate	Transitional cell carcinoma	T2	NX					Needle biopsy				N
C-2	M	72	Prostate	Adenocarcinoma	T1	NX					TUR				N
C-3	M	66	Prostate	Adenocarcinoma	T1	NX					Needle biopsy				0
C-4	M	66	Prostate	Adenocarcinoma	T1	NX					TUR				1
C-5	M	75	Prostate	Adenocarcinoma	T1	NX					TUR				1
C-6	M	73	Prostate	Adenocarcinoma	T1	NX					TUR				1
C-7	M	55	Prostate	Adenocarcinoma	T1	NX					TUR				2
C-8	M	72	Prostate	Adenocarcinoma	T1	NX					TUR				2
C-9	M	56	Prostate	Adenocarcinoma	T1	NX					TUR				2
C-10	M	69	Prostate	Adenocarcinoma	T1	NX					TUR				2
D-1	M	69	Prostate	Adenocarcinoma	T1	NX					TUR				4
D-2	M	74	Prostate	Adenocarcinoma	T1	NX					TUR				0
D-3	M	N/A	Prostate	Adenocarcinoma	T1	NX					TUR				N
D-4	M	83	Prostate	Transitional cell carcinoma	T1S	NX					TUR				N
D-5	M	69	Prostate	Adenocarcinoma	T1	NX					TUR				1
D-6	M	90	Prostate	Adenocarcinoma	T1	NX					Needle biopsy				2
D-7	M	82	Prostate	Transitional cell carcinoma	T2	NX					Needle biopsy				3
D-8	M	72	Prostate	Adenocarcinoma	T1	NX					TUR				2
D-9	M	66	Prostate	Adenocarcinoma	T1	NX					TUR				2

Appendix A
Table 15
CS 200 83100 Cancer Screening Array
a-FKBP51 Data

Coordinates	Sex	Age	Organ	Tumor Type	Grad	Pt	Pn	LN all	LN pos	DM	Surgery	Resection Margins	Clark Level	Distant Metastasis	a-FKBP51 Staining
D-10	M	55	Prostate	Adenocarcinoma	4	T1	NX				TUR				2
E-1	M	82	Bladder	Transitional cell carcinoma	3-4	T2	NX				Needle biopsy				1
E-2	M	N/A	Bladder	Transitional cell carcinoma	1	T1	NX				TUR				0
E-3	N/A	71	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				2
E-4	M	72	Bladder	Transitional cell carcinoma	1	T1	NX				Needle biopsy				N
E-5	N/A	80	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
E-6	F	74	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
E-7	F	77	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
E-8	M	46	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				3
E-9	F	68	Bladder	Transitional cell carcinoma	3-4	T2	NX				Needle biopsy				2
E-10	M	61	Bladder	Transitional cell carcinoma	3	T2	NX				Needle biopsy				3
Grid 2															
F-1	M	83	Bladder	Transitional cell carcinoma	2	T1	NX				TUR				1
F-2	M	62	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				1
F-3	M	85	Bladder	Adenocarcinoma	1	T1	NX				Needle biopsy				1
F-4	N/A	N/A	Bladder	Transitional cell carcinoma	3-4	T1	NX				Needle biopsy				N
F-5	N/A	87	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				3
F-6	M	81	Bladder	Transitional cell carcinoma	3-4	T1	NX				Needle biopsy				3
F-7	M	76	Bladder	Transitional cell carcinoma	2	T2	NX				Needle biopsy				3
F-8	F	89	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
F-9	M	84	Bladder	Transitional cell carcinoma	3	T2	NX				Needle biopsy				2
F-10	F	77	Bladder	Transitional cell carcinoma	2-3	T2	NX				Needle biopsy				3
G-1	N/A	73	Lung	Squamous cell carcinoma	T2	NX	NX			3	Biopsy				4
G-2	F	62	Lung	Broncho alveolar carcinoma	T2	NX	NX			6	Right lobectomy	Negative			N
G-3	N/A	32	Lung	Adenocarcinoma	T1	NX	NX			2	Wedge resection				1
G-4	N/A	55	Lung	Adenocarcinoma	T1	N0	7		0	3	Left lobectomy				2
G-5	F	77	Lung	Lymphoma	T4	NX	NX			2	Biopsy				3
G-6	M	65	Lung	Squamous cell carcinoma	T3	N1	10		3		Left lobectomy	Negative			2
G-7	N/A	61	Lung	Lymphangitic carcinoma	T2	NX	NX				Left lobectomy				2
G-8	N/A	71	Lung	Keratinizing carcinoma	T4	N1	7		2	7	Right lobectomy				2
G-9	F	76	Lung	Squamous cell carcinoma	T1	N0	2		0	3	Left lobectomy				1
G-10	M	57	Lung	Adenocarcinoma	T3	NX	NX			4	Right lobectomy				1
H-1	M	67	Lung	Squamous cell carcinoma	T3	N1	8		5	4	Right lobectomy				2
H-2	F	68	Lung	Adenocarcinoma	T3	NX	NX			3	Right lobectomy				2
H-3	M	68	Lung	Epidermoid carcinoma	T3	NX	NX			2	Right lobectomy				2
H-4	F	69	Lung	Adenocarcinoma	T2	N0	NX			2	Right lobectomy				1
H-5	M	46	Lung	Adeno-squamous cell carcinoma	T2	N1	4		4	3	Right lobectomy	Negative			1
H-6	M	71	Lung	Mesothelioma	T1	NX	NX			1	Biopsy				1
H-7	M	32	Lung	Poorly differentiated carcinoma	TX	NX	NX				Biopsy				N
H-8	N/A	32	Lung	Adenocarcinoma	T1	NX	NX			2	Wedge resection				1
H-9	N/A	61	Lung	Lymphangitic carcinoma	T2	NX	NX				Left lobectomy				1

Appendix A
Table 15
CS 200 83100 Cancer Screening Array
a-FKBP51 Data

Coordinates	Sex	Age	Organ	Tumor Type	Grad	Pt	Pn	LN	LN	DM	Surgery	Resection Margins	Clark Level	Distant Metastasis	a-FKBP51 Staining
H-10	N/A	71	Lung	Keratinizing carcinoma	T4	T4	N1	7	2	7	Right lobectomy				2
I-1	N/A	64	Kidney	Renal cell carcinoma	T1	NX				6	Left nephrectomy				3
I-2	M	60	Kidney	Adenocarcinoma	T3	N0	4			4	Left nephrectomy				2
I-3	M	76	Kidney	Adenocarcinoma	T1	N0	6			7	Left nephrectomy				2
I-4	M	76	Kidney	Adenocarcinoma	T1	NX	6			7	Left nephrectomy				3
I-5	M	50	Kidney	Adenocarcinoma	TX	NX					Needle biopsy				N
I-6	M	55	Kidney	Adenocarcinoma	T1	N0	2			6	Left nephrectomy				2
I-7	M	55	Kidney	Adenocarcinoma	T1	N0	2			6	Left nephrectomy				N
I-8	M	76	Kidney	Adenocarcinoma	T1	N0	6			7	Left nephrectomy				2
I-9	F	65	Kidney	Renal cell carcinoma	T1	NX				7	Left nephrectomy				1
I-10	F	65	Kidney	Renal cell carcinoma	T1	NX				7	Right nephrectomy				1
J-1	F	66	Skin	Malignant melanoma	TX	NX				3	Excisional biopsy	Negative		M1	1
J-2	F	65	Skin	Malignant melanoma	T4	NX				2	Excisional biopsy	Positive	4	M1	N
J-3	F	N/A	Skin	Malignant melanoma	T4	NX				2	Excisional biopsy	Negative	4	M1	2
J-4	F	N/A	Skin	Malignant melanoma	T4	NX				2	Excisional biopsy	Negative	4	M1	N
J-5	M	66	Skin	Malignant melanoma	T2	NX				2	Excisional biopsy	Negative	3	M1	N
J-6	M	70	Skin	Malignant melanoma	T2	NX				2	Excisional biopsy	Negative	3	M1	N
J-7	M	N/A	Skin	Malignant melanoma	T1	NX				2	Excisional biopsy	Negative	2	M0	N
J-8	M	36	Skin	Malignant melanoma	T2	NX				2	Excisional biopsy	Negative	3	M0	N
J-9	F	50	Skin	Malignant melanoma	T3	NX				2	Excisional biopsy	Negative	4	M1	N
J-10	N/A	N/A	Skin	Malignant melanoma	T1	NX				2	Excisional biopsy	Positive	2	M1	N
Grid 3															
K-1	M	85	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
K-2	M	64	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Positive		MX	3
K-3	M	87	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
K-4	N/A	82	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	N
K-5	M	52	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Positive		M1	N
K-6	F	69	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		M1	N
K-7	M	39	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	2
K-8	M	N/A	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	3
K-9	F	56	Skin	Squamous cell carcinoma	T2	NX				2	Excisional biopsy	Negative		M0	3
K-10	F	81	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	2
L-1	M	57	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Positive		MX	3
L-2	M	57	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	2
L-3	M	78	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	2
L-4	N/A	N/A	Skin	Squamous cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	0
L-5	N/A	N/A	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
L-6	M	42	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
L-7	F	69	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	N
L-8	M	82	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	2
L-9	N/A	75	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	3

Appendix A
Table 15
CS 200 83100 Cancer Screening Array
a-FKBP51 Data

Coordinates	Sex	Age	Organ	Tumor Type	Grad	Pt	Pn	LN	LN	DM	Surgery	Resection Margins	Clark Level	Distant Metastasis	a-FKBP51 Staining
L-10	N/A	N/A	Skin	Squamous cell carcinoma		T1	NX			1	Excisional biopsy	Negative		MX	2
M-1	M	82	Skin	Basal cell carcinoma		T2	NX			2	Excisional biopsy	Positive		MX	1
M-2	F	46	Skin	Basal cell carcinoma		T1	NX			1	Excisional biopsy	Positive		MX	N
M-3	M	60	Skin	Basal cell carcinoma		T1	NX			1	Excisional biopsy	Positive		MX	3
M-4	M	63	Skin	Basal cell carcinoma		T1	NX			1	Excisional biopsy	Positive		MX	3
M-5	F	52	Tonsil	Squamous cell carcinoma		T1	NX			1	Excisional biopsy	Positive		M1	1
M-6	F	78	Skin	Basal cell carcinoma		T1	NX			1	Excisional biopsy	Positive		MX	N
M-7	M	73	Skin	Basal cell carcinoma		T1	NX			1	Excisional biopsy	Positive		MX	3
M-8	M	51	Skin	Basal cell carcinoma		T2	NX			2	Excisional biopsy	Negative		MX	N
M-9	F	53	Skin	Basal cell carcinoma		T2	NX			2	Excisional biopsy	Negative		MX	0
M-10	M	76	Skin	Squamous cell carcinoma		T2	NX			2	Excisional biopsy	Negative		MX	2
N-1	F	46	Breast	Ductal carcinoma		T1	N1	6	1	2	Mastectomy	Negative			0
N-2	F	65	Breast	Ductal carcinoma		T2	NX			3	Lumpectomy	Positive			2
N-3	F	59	Breast	Ductal carcinoma		T2	NX			2	Lumpectomy	Positive			2
N-4	F	79	Breast	Ductal carcinoma		T2	NX			3	Lumpectomy	Positive			2
N-5	F	56	Breast	Lobular carcinoma		T1	NX			1	Lumpectomy	Positive			N
N-6	F	58	Breast	Ductal carcinoma		T2	NX			2	Lumpectomy	Positive			4
N-7	F	61	Breast	Ductal carcinoma		T2	NX			3	Lumpectomy	Positive			4
N-8	F	83	Breast	Ductal carcinoma		T2	NX			4	Lumpectomy	Positive			1
N-9	F	73	Breast	Ductal carcinoma		T1	NX			1	Lumpectomy	Positive			2
N-10	F	68	Breast	Ductal carcinoma		T1	NX			1	Lumpectomy	Negative			N
O-1	F	57	Breast	Adenoidcystic carcinoma		T2	NX			4	Lumpectomy	Positive			3
O-2	F	67	Breast	Ductal carcinoma		T1	NX			1	Lumpectomy	Positive			N
O-3	F	71	Breast	Ductal carcinoma		T2	N0	14	0	3	Mastectomy	Positive			N
O-4	F	71	Breast	Ductal carcinoma		T2	N0	14	0	3	Mastectomy	Positive			1
O-5	F	68	Breast	Lobular carcinoma		T2	NX			3	Lumpectomy	Positive			1
O-6	F	43	Breast	Ductal carcinoma		T2	NX			3	Lumpectomy	Positive			4
O-7	F	68	Breast	Ductal carcinoma		T1	N1	17	5	2	Mastectomy	Negative			1
O-8	F	46	Breast	Ductal carcinoma		T1	N1	6	1	2	Mastectomy	Negative			1
O-9	F	59	Breast	Ductal carcinoma		T2	NX			2	Lumpectomy	Positive			1
O-10	F	67	Breast	Ductal carcinoma		T1	NX			1	Lumpectomy	Positive			N
Grid 4															
P-1	F	62	Cervix	Squamous cell carcinoma		T1	NX			1	Biopsy	Negative			1
P-2	F	33	Cervix	Carcinoma-in-situ		T1S	NX				Biopsy	Negative			N
P-3	F	29	Cervix	Carcinoma-in-situ		T1S	NX				Biopsy	Negative			N
P-4	F	61	Cervix	Squamous cell carcinoma		T1	NX				Biopsy	Negative			0
P-5	F	40	Cervix	Carcinoma-in-situ		T1S	NX				Biopsy	Positive			N
P-6	F	34	Cervix	Carcinoma-in-situ		T1	NX			1	Biopsy	Negative			N
P-7	F	27	Cervix	Carcinoma-in-situ		T1S	NX			1	Biopsy	Negative			N
P-8	F	51	Cervix	Squamous cell carcinoma		TX	NX				Biopsy	Negative			N
P-9	F	28	Cervix	Carcinoma-in-situ		T1S	NX				Biopsy	Negative			N

Appendix A
Table 15
CS 200 83100 Cancer Screening Array
a-FKBP51 Data

Coordinates	Sex	Age	Organ	Tumor Type	Grad	Pt	Pn	LN	LN	DM	Surgery	Resection	Clark	Distant	a-FKBP51
P-10	F	34	Cervix	Carcinoma-in-situ		TIS	NX				Biopsy	Margins	Level	Metastasis	Staining
Q-1	F	61	Tonsil	Squamous cell carcinoma		T1	NX			1	Biopsy				0
Q-2	F	74	Lymph node	Lymphoma						2	Biopsy				4
Q-3	F	65	Stomach	Adenocarcinoma		T4	N0	7	0	4	Stomach resection	Positive			3
Q-4	F	79	Stomach	Adenocarcinoma		T3	NX			2	Biopsy				2
Q-5	M	76	Stomach	Adenocarcinoma		T4	N1	5	5	4	Part. Gastrectomy	Negative			1
Q-6	M	82	Penis	Malignant melanoma		T3	NX			2	Distal resection	Negative			4
Q-7	M	75	Lung	Adenocarcinoma		T2	N1	3	1	5	Lobectomy	Negative			3
Q-8	F	82	Stomach	Gastrointestinal tumor		TX	NX			4	Part. Gastrectomy	Negative			2
Q-9	M	69	Liver	Adenocarcinoma		T2	N1	17	1	3	Wedge resection	Negative			3
Q-10	F	71	Breast	Ductal carcinoma	2103	T2	NX			3	Biopsy	Positive			3
R-1	F	33	Thyroid	Follicular adenoma		T2	NX			4	Biopsy				1
R-2	F	33	Thyroid	Follicular adenoma		T2	NX			4	Biopsy				1
R-3	M	64	Bladder	Transitional cell carcinoma	3	TX	NX				Biopsy				3
R-4	M	66	Bladder	Transitional cell carcinoma	2	T1	NX				TUR				N
R-5	M	83	Bladder	Transitional cell carcinoma	2	T2	NX				Biopsy				1
R-6	M	71	Bladder	Transitional cell carcinoma	3	T1	NX				TUR				N
R-7	M	82	Bladder	Transitional cell carcinoma	2	T1	NX			1	Biopsy				4
R-8	F	77	Bladder	Transitional cell carcinoma	2	T1	NX			1	Biopsy				N
R-9	M	75	Bladder	Transitional cell carcinoma	2	T2	NX				TUR				2
R-10	M	60	Bladder	Transitional cell carcinoma	2	T2	NX			2	Biopsy				1
S-1	F	63	Bladder	Transitional cell carcinoma	1	TA	NX			1	Biopsy				2
S-2	M	73	Bladder	Transitional cell carcinoma	2	TA	NX			1	Biopsy				N
S-3	N/A	78	Bladder	Transitional cell carcinoma	3	T1	NX			1	Biopsy				N
S-4	M	77	Bladder	Transitional cell carcinoma	2 to 3	T1	NX			1	Biopsy				0
S-5	M	76	Bladder	Transitional cell carcinoma	2	TA	NX			2	Biopsy				3
S-6	F	72	Tibia	Lymphoma							Biopsy				3
S-7	M	54	Lymph node	Lymphoma							Biopsy				2
S-8	F	55	Subclavicle mass	Lymphoma							Biopsy				2
S-9	M	57	Lymph node	Lymphoma							Biopsy				1
S-10	F	82	Lymph node	Lymphoma							Biopsy				3
T-1	M	42	Lymph node	Lymphoma							Biopsy				0
T-2	M	88	Colon	Lymphoma							Colectomy	Negative			1
T-3	F	73	Lymph node	Lymphoma							Biopsy				2
T-4	M	66	Lymph node	Lymphoma							Biopsy				2
T-5	F	80	Lymph node	Lymphoma							Biopsy				2
T-6	N/A	N/A	Lymph node	Lymphoma							Biopsy				2
T-7	M	57	Lymph node	Lymphoma							Biopsy				1
T-8	M	42	Lymph node	Lymphoma							Biopsy				2
T-9	N/A	N/A	Colon	Lymphoma							Colectomy	Negative			1
T-10	F	73	Lymph node	Lymphoma							Biopsy				0

Appendix A
Table 16
CS 200 83100 Clinomics Oncology Array
Cancer Screening Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

Coordinates Grid 1	Sex	Age	Organ	Tumor Type	Grade	Pt	Pn	LN all	LN pos	DM	Surgery	Resection Margins	Clark Level	Distant Metastasis	RCAS1 Staining
A-1	M	74	Colon	Adenocarcinoma	T3	N1	10	2	5	5	Colectomy	Negative			N
A-2	F	81	Colon	Adenocarcinoma	T3	N1	14	3	3	3	Colectomy	Negative			3
A-3	F	65	Colon	Adenocarcinoma	T3	N0	16	0	5	5	Colectomy	Negative			3
A-4	M	67	Colon	Adenocarcinoma	T2	N0	10	0	1	1	Colectomy	Negative			4
A-5	M	67	Colon	Adenocarcinoma	T3	N0	5	0	2	2	Colectomy	Negative			3
A-6	F	83	Colon	Adenocarcinoma	T1	NX			6	6	Colectomy	Negative			N
A-7	F	70	Colon	Adenocarcinoma	T3	NX			4	4	Colectomy	Negative			3
A-8	F	79	Colon	Cloacogenic Carcinoma	T3	N2	7	7	3	3	Colectomy	Negative			3
A-9	F	60	Colon	Adenocarcinoma	T3	N0	10	0	3	3	Colectomy	Negative			3
A-10	F	52	Colon	Adenocarcinoma	T3	NX			2	2	Colectomy	Negative			4
B-1	F	59	Colon	Adenocarcinoma	T2	NX			2	2	Colectomy	Negative			N
B-2	F	71	Colon	Adenocarcinoma	T3	NX			2	2	Colectomy	Negative			N
B-3	M	82	Colon	Adenocarcinoma	T1S	NX			1	1	Colectomy				3
B-4	F	81	Colon	Adenocarcinoma	T1S	NX			1	1	Colectomy				4
B-5	M	35	Colon	Adenocarcinoma	T1S	NX			3	3	Colectomy				3
B-6	M	50	Colon	Adenocarcinoma	T1S	NX			1	1	Colectomy				3
B-7	F	74	Colon	Adenocarcinoma	T3	N2	10	8	6	6	Colectomy	Positive			3
B-8	F	69	Colon	Adenocarcinoma	T1S	N1	3	1	3	3	Colectomy				4
B-9	M	71	Colon	Adenocarcinoma	T3	NX			2	2	Colectomy				4
B-10	F	52	Colon	Adenocarcinoma	T2	NX					Needle biopsy				N
C-1	M	82	Prostate	Transitional cell carcinoma	T1	NX					TUR				N
C-2	M	72	Prostate	Adenocarcinoma	T1	NX					Needle biopsy				N
C-3	M	66	Prostate	Adenocarcinoma	T1	NX					TUR				3
C-4	M	66	Prostate	Adenocarcinoma	T1	NX					TUR				2
C-5	M	75	Prostate	Adenocarcinoma	T1	NX					TUR				N
C-6	M	73	Prostate	Adenocarcinoma	T1	NX					TUR				3
C-7	M	55	Prostate	Adenocarcinoma	T1	NX					TUR				2
C-8	M	72	Prostate	Adenocarcinoma	T1	NX					TUR				N
C-9	M	56	Prostate	Adenocarcinoma	T1	NX					TUR				3
C-10	M	69	Prostate	Adenocarcinoma	T1	NX					TUR				3
D-1	M	69	Prostate	Adenocarcinoma	T1	NX					TUR				3
D-2	M	74	Prostate	Adenocarcinoma	T1	NX					TUR				3
D-3	M	N/A	Prostate	Adenocarcinoma	T1	NX					TUR				N
D-4	M	83	Prostate	Transitional cell carcinoma	T1S	NX					TUR				N
D-5	M	69	Prostate	Adenocarcinoma	T1	NX					TUR				3
D-6	M	90	Prostate	Adenocarcinoma	T1	NX					Needle biopsy				4
D-7	M	82	Prostate	Transitional cell carcinoma	T2	NX					Needle biopsy				3
D-8	M	72	Prostate	Adenocarcinoma	T1	NX					TUR				3
D-9	M	66	Prostate	Adenocarcinoma	T1	NX					TUR				2
D-10	M	55	Prostate	Adenocarcinoma	T1	NX					TUR				3

Appendix A
Table 16
CS 200 83100 Clinomics Oncology Array
Cancer Screening Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

Coordinates	Sex	Age	Organ	Tumor Type	Grade	Pt	Pn	LN all	LN pos	DM	Surgery	Resection Margins	Clark Level	Distant Metastasis	RCA51 Staining
E-1	M	82	Bladder	Transitional cell carcinoma	4	T2	NX				Needle biopsy				3
E-2	M	N/A	Bladder	Transitional cell carcinoma	3-4	T2	NX				TUR				N
E-3	N/A	71	Bladder	Transitional cell carcinoma	1	T1	NX				Needle biopsy				N
E-4	M	72	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
E-5	N/A	80	Bladder	Transitional cell carcinoma	1	T1	NX				Needle biopsy				N
E-6	F	74	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
E-7	F	77	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
E-8	M	46	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				2
E-9	F	68	Bladder	Transitional cell carcinoma	3-4	T2	NX				Needle biopsy				3
E-10	M	61	Bladder	Transitional cell carcinoma	3	T2	NX				Needle biopsy				3
Grid 2															
F-1	M	83	Bladder	Transitional cell carcinoma	2	T1	NX				TUR				3
F-2	M	62	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				2
F-3	M	85	Bladder	Adenocarcinoma	1	T1	NX				Needle biopsy				N
F-4	N/A	N/A	Bladder	Transitional cell carcinoma	3-4	T1	NX				Needle biopsy				N
F-5	M	87	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
F-6	M	81	Bladder	Transitional cell carcinoma	3-4	T2	NX				Needle biopsy				N
F-7	M	76	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
F-8	F	89	Bladder	Transitional cell carcinoma	2	T1	NX				Needle biopsy				N
F-9	M	84	Bladder	Transitional cell carcinoma	2-3	T2	NX				Needle biopsy				N
F-10	F	77	Bladder	Transitional cell carcinoma	2-3	T2	NX				Needle biopsy				N
G-1	N/A	73	Lung	Squamous cell carcinoma		T2	NX			3	Biopsy				N
G-2	F	62	Lung	Broncho alveolar carcinoma		T2	NX			6	Right lobectomy				N
G-3	N/A	32	Lung	Adenocarcinoma		T1	NX			2	Wedge resection				3
G-4	N/A	55	Lung	Adenocarcinoma		T1	N0	7	0	3	Left lobectomy				3
G-5	F	77	Lung	Lymphoma		T4	NX			2	Biopsy				3
G-6	M	65	Lung	Squamous cell carcinoma		T3	N1	10	3		Left lobectomy				N
G-7	N/A	61	Lung	Lymphangitic carcinoma		T2	NX				Left lobectomy				4
G-8	N/A	71	Lung	Keratinizing carcinoma		T4	N1	7	2	7	Right lobectomy				N
G-9	F	76	Lung	Squamous cell carcinoma		T1	N0	2	0	3	Left lobectomy				N
G-10	M	57	Lung	Adenocarcinoma		T3	NX			4	Right lobectomy				4
H-1	M	67	Lung	Squamous cell carcinoma		T3	N1	8	5	4	Right lobectomy				3
H-2	F	68	Lung	Adenocarcinoma		T3	NX			3	Right lobectomy				N
H-3	M	68	Lung	Epidermoid carcinoma		T3	NX			2	Right lobectomy				3
H-4	F	69	Lung	Adenocarcinoma		T2	N0			2	Right lobectomy				N
H-5	M	46	Lung	Adeno-squamous cell carcinoma		T2	N1	4	4	3	Right lobectomy				4
H-6	M	71	Lung	Mesothelioma		T1	NX			1	Biopsy				3
H-7	M	32	Lung	Poorly differentiated carcinoma		TX	NX				Biopsy				N
H-8	N/A	32	Lung	Adenocarcinoma		T1	NX			2	Wedge resection				1
H-9	N/A	61	Lung	Lymphangitic carcinoma		T2	NX				Left lobectomy				4
H-10	N/A	71	Lung	Keratinizing carcinoma		T4	N1	7	2	7	Right lobectomy				2

Appendix A
Table 16
CS 200 83100 Clinomics Oncology Array
Cancer Screening Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

Coordinates	Sex	Age	Organ	Tumor Type	Grade	Pt	Pn	LN all	LN pos	DM	Surgery	Resection Margins	Clark Level	Distant Metastasis	RCAS1 Staining
I-1	N/A	64	Kidney	Renal cell carcinoma	T1	NX				6	Left nephrectomy	Negative		M1	1
I-2	M	60	Kidney	Adenocarcinoma	T3	N0		4		4	Left nephrectomy	Positive	4	M1	N
I-3	M	76	Kidney	Adenocarcinoma	T1	N0		6		7	Left nephrectomy	Negative	4	M1	3
I-4	M	76	Kidney	Adenocarcinoma	T1	N0		6		7	Left nephrectomy	Negative	4	M1	3
I-5	M	50	Kidney	Adenocarcinoma	TX	NX					Needle biopsy	Negative		M1	N
I-6	M	55	Kidney	Adenocarcinoma	T1	N0		2		6	Left nephrectomy	Negative		M1	2
I-7	M	55	Kidney	Adenocarcinoma	T1	N0		2		6	Left nephrectomy	Negative		M1	N
I-8	M	76	Kidney	Adenocarcinoma	T1	N0		6		7	Left nephrectomy	Negative		M1	3
I-9	F	65	Kidney	Renal cell carcinoma	T1	NX				7	Right nephrectomy	Negative		M1	N
I-10	F	65	Kidney	Renal cell carcinoma	T1	NX				7	Right nephrectomy	Negative		M1	N
J-1	F	66	Skin	Malignant melanoma	TX	NX				3	Excisional biopsy	Negative		M1	1
J-2	F	65	Skin	Malignant melanoma	T4	NX				2	Excisional biopsy	Positive	4	M1	N
J-3	F	N/A	Skin	Malignant melanoma	T4	NX				2	Excisional biopsy	Negative	4	M1	3
J-4	F	N/A	Skin	Malignant melanoma	T4	NX				2	Excisional biopsy	Negative	4	M1	N
J-5	M	66	Skin	Malignant melanoma	T2	NX				2	Excisional biopsy	Negative	3	M1	N
J-6	M	70	Skin	Malignant melanoma	T2	NX				2	Excisional biopsy	Negative	3	M1	N
J-7	M	N/A	Skin	Malignant melanoma	T1	NX				2	Excisional biopsy	Negative	2	M0	N
J-8	M	36	Skin	Malignant melanoma	T2	NX				2	Excisional biopsy	Negative	3	M0	N
J-9	F	50	Skin	Malignant melanoma	T3	NX				2	Excisional biopsy	Negative	4	M1	N
J-10	N/A	N/A	Skin	Malignant melanoma	T1	NX				2	Excisional biopsy	Positive	2	M1	N
Grid 3															
K-1	M	85	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
K-2	M	64	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Positive		MX	N
K-3	M	87	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
K-4	N/A	82	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	N
K-5	M	52	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Positive		M1	N
K-6	F	69	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		M1	N
K-7	M	39	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	N
K-8	M	N/A	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	N
K-9	F	56	Skin	Squamous cell carcinoma	T2	NX				2	Excisional biopsy	Negative		M0	N
K-10	F	81	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
L-1	M	57	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Positive		MX	2
L-2	M	57	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	N
L-3	M	78	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
L-4	N/A	N/A	Skin	Squamous cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	2
L-5	N/A	N/A	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
L-6	M	42	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
L-7	F	69	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	N
L-8	M	82	Skin	Basal cell carcinoma	T2	NX				2	Excisional biopsy	Negative		MX	N
L-9	N/A	75	Skin	Basal cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	N
L-10	N/A	N/A	Skin	Squamous cell carcinoma	T1	NX				1	Excisional biopsy	Negative		MX	2

Table 16
CS 200 83100 Clinimics Oncology Array
Cancer Screening Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

Coordinates	Sex	Age	Organ	Tumor Type	Grade	Pt	Pn	LN all	LN pos	DM	Surgery	Resection Margins	Clark Level	Distant Metastasis	RCAS1 Staining
M-1	M	82	Skin	Basal cell carcinoma	T2	NX	NX			2	Excisional biopsy	Positive		MX	3
M-2	F	46	Skin	Basal cell carcinoma	T1	NX	NX			1	Excisional biopsy	Positive		MX	N
M-3	M	60	Skin	Basal cell carcinoma	T1	NX	NX			1	Excisional biopsy	Positive		MX	N
M-4	M	63	Skin	Basal cell carcinoma	T1	NX	NX			1	Excisional biopsy	Positive		MX	3
M-5	F	52	Tonsil	Squamous cell carcinoma	T1	NX	NX			1	Excisional biopsy	Positive		MX	N
M-6	F	78	Skin	Basal cell carcinoma	T1	NX	NX			1	Excisional biopsy	Positive		MX	N
M-7	M	73	Skin	Basal cell carcinoma	T1	NX	NX			1	Excisional biopsy	Positive		MX	N
M-8	M	51	Skin	Basal cell carcinoma	T2	NX	NX			2	Excisional biopsy	Negative		MX	N
M-9	F	53	Skin	Basal cell carcinoma	T2	NX	NX			2	Excisional biopsy	Negative		MX	1
M-10	M	76	Skin	Squamous cell carcinoma	T2	NX	NX			2	Excisional biopsy	Negative		MX	N
N-1	F	46	Breast	Ductal carcinoma	T1	N1	6		1	2	Mastectomy	Negative			N
N-2	F	65	Breast	Ductal carcinoma	T2	NX	NX			3	Lumpectomy	Positive			3
N-3	F	59	Breast	Ductal carcinoma	T2	NX	NX			2	Lumpectomy	Positive			N
N-4	F	79	Breast	Ductal carcinoma	T2	NX	NX			3	Lumpectomy	Positive			N
N-5	F	56	Breast	Lobular carcinoma	T1	NX	NX			1	Lumpectomy	Positive			2
N-6	F	58	Breast	Ductal carcinoma	T2	NX	NX			2	Lumpectomy	Positive			3
N-7	F	61	Breast	Ductal carcinoma	T2	NX	NX			3	Lumpectomy	Positive			4
N-8	F	83	Breast	Ductal carcinoma	T2	NX	NX			4	Lumpectomy	Positive			3
N-9	F	73	Breast	Ductal carcinoma	T1	NX	NX			1	Lumpectomy	Positive			2
N-10	F	68	Breast	Ductal carcinoma	T1	NX	NX			1	Lumpectomy	Negative			N
O-1	F	57	Breast	Adenoidcystic carcinoma	T2	NX	NX			4	Lumpectomy	Positive			1
O-2	F	67	Breast	Ductal carcinoma	T1	NX	NX			1	Lumpectomy	Positive			N
O-3	F	71	Breast	Ductal carcinoma	T2	N0	14		0	3	Mastectomy	Positive			N
O-4	F	71	Breast	Ductal carcinoma	T2	N0	14		0	3	Mastectomy	Positive			N
O-5	F	68	Breast	Lobular carcinoma	T2	NX	NX			3	Lumpectomy	Positive			4
O-6	F	43	Breast	Ductal carcinoma	T2	NX	NX			3	Lumpectomy	Positive			N
O-7	F	68	Breast	Ductal carcinoma	T1	N1	17		5	2	Mastectomy	Negative			1
O-8	F	46	Breast	Ductal carcinoma	T1	N1	6		1	2	Mastectomy	Negative			N
O-9	F	59	Breast	Ductal carcinoma	T2	NX	NX			2	Lumpectomy	Positive			3
O-10	F	67	Breast	Ductal carcinoma	T1	NX	NX			1	Lumpectomy	Positive			N
Grid 4															
P-1	F	62	Cervix	Squamous cell carcinoma	T1	NX	NX			1	Biopsy	Negative			N
P-2	F	33	Cervix	Carcinoma-in-situ	TIS	NX	NX				Biopsy	Negative			N
P-3	F	29	Cervix	Carcinoma-in-situ	TIS	NX	NX				Biopsy	Negative			N
P-4	F	61	Cervix	Squamous cell carcinoma	T1	NX	NX				Biopsy	Positive			2
P-5	F	40	Cervix	Carcinoma-in-situ	TIS	NX	NX				Biopsy	Negative			N
P-6	F	34	Cervix	Carcinoma-in-situ	T1	NX	NX			1	Biopsy	Negative			N
P-7	F	27	Cervix	Carcinoma-in-situ	TIS	NX	NX				Biopsy	Negative			N
P-8	F	51	Cervix	Squamous cell carcinoma	TX	NX	NX				Biopsy	Negative			N
P-9	F	28	Cervix	Carcinoma-in-situ	TIS	NX	NX				Biopsy	Negative			N
P-10	F	34	Cervix	Carcinoma-in-situ	TIS	NX	NX				Biopsy	Negative			N

Table 16
CS 200 83100 Clinomics Oncology Array
Cancer Screening Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

Coordinates	Sex	Age	Organ	Tumor Type	Grade	Pt	Pn	LN	LN	DM	Surgery	Resection	Clark	Distant	RCAS1
												Margins	Level	Metastasis	Staining
Q-1	F	61	Tonsil	Squamous cell carcinoma	T1	NX				1	Biopsy	Positive			N
Q-2	F	74	Lymph node	Lymphoma	T4	N0		7	0	4	Stomach resection				3
Q-3	F	65	Stomach	Adenocarcinoma	T3	NX				2	Biopsy	Negative			N
Q-4	F	79	Stomach	Adenocarcinoma	T4	N1		5	5	4	Part. Gastrectomy	Negative			3
Q-5	M	76	Stomach	Adenocarcinoma	T3	NX				2	Distal resection	Negative			4
Q-6	M	82	Penis	Malignant melanoma	T2	N1		3	1	5	Lobectomy	Negative			2
Q-7	M	75	Lung	Adenocarcinoma	TX	NX				4	Part. Gastrectomy	Negative			N
Q-8	F	82	Stomach	Gastrointestinal tumor	T2	N1		17	1	3	Wedge resection	Negative			4
Q-9	M	69	Liver	Adenocarcinoma	T2	NX				3	Biopsy	Positive			N
Q-10	F	71	Breast	Ductal carcinoma	2 to 3	NX				3	Biopsy	Positive			N
R-1	F	33	Thyroid	Follicular adenoma	T2	NX				4	Biopsy				3
R-2	F	33	Thyroid	Follicular adenoma	T2	NX				4	Biopsy				2
R-3	M	64	Bladder	Transitional cell carcinoma	TX	NX					Biopsy				N
R-4	M	66	Bladder	Transitional cell carcinoma	T1	NX					TUR				N
R-5	M	83	Bladder	Transitional cell carcinoma	T2	NX					Biopsy				N
R-6	M	71	Bladder	Transitional cell carcinoma	T1	NX					TUR				N
R-7	M	82	Bladder	Transitional cell carcinoma	T1	NX				1	Biopsy				N
R-8	F	77	Bladder	Transitional cell carcinoma	T1	NX				1	Biopsy				N
R-9	M	75	Bladder	Transitional cell carcinoma	T2	NX					TUR				3
R-10	M	60	Bladder	Transitional cell carcinoma	T2	NX				2	Biopsy				4
S-1	F	63	Bladder	Transitional cell carcinoma	TA	NX				1	Biopsy				3
S-2	M	73	Bladder	Transitional cell carcinoma	TA	NX				1	Biopsy				N
S-3	N/A	78	Bladder	Transitional cell carcinoma	T1	NX				1	Biopsy				N
S-4	M	77	Bladder	Transitional cell carcinoma	T1	NX				1	Biopsy				N
S-5	M	76	Bladder	Transitional cell carcinoma	2 to 3	NX				2	Biopsy				3
S-6	F	72	Tibia	Lymphoma	TA	NX					Biopsy				4
S-7	M	54	Lymph node	Lymphoma							Biopsy				4
S-8	F	55	Subclavicle mass	Lymphoma							Biopsy				1
S-9	M	57	Lymph node	Lymphoma							Biopsy				1
S-10	F	82	Lymph node	Lymphoma							Biopsy				1
T-1	M	42	Lymph node	Lymphoma							Biopsy				3
T-2	M	88	Colon	Lymphoma							Colectomy	Negative			3
T-3	F	73	Lymph node	Lymphoma							Biopsy				2
T-4	M	66	Lymph node	Lymphoma							Biopsy				2
T-5	F	80	Lymph node	Lymphoma							Biopsy				2
T-6	N/A	N/A	Lymph node	Lymphoma							Biopsy				3
T-7	M	57	Lymph node	Lymphoma							Biopsy				2
T-8	M	42	Lymph node	Lymphoma							Biopsy				3
T-9	N/A	N/A	Colon	Lymphoma							Colectomy	Negative			0
T-10	F	73	Lymph node	Lymphoma							Biopsy				0

Appendix A

Table 17

NO 200 #90100 Clinomics Oncology and Normal Array Job #1190
Normal Tissue Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

Coordinates	Sex	Age	Organ	Diagnosis	Surgery	RCAS1 Staining
Grid 1						
A-1	M	60	Prostate	Prostatic hyperplasia	TUR	N
A-2	M	75	Prostate	Prostatic hypertrophy	TUR	N
A-3	M	66	Prostate	Prostatic hyperplasia	TUR	N
A-4	M	89	Prostate	Prostatic hyperplasia	TUR	N
A-5	M	67	Prostate	Prostatic hyperplasia	TUR	2+
A-6	M	71	Prostate	Prostatic hyperplasia	TUR	N
A-7	M	74	Prostate	Prostatic hyperplasia	TUR	N
A-8	M	72	Prostate	Prostatic hyperplasia	TUR	N
A-9	M	74	Prostate	Prostatic hyperplasia	TUR	3+
A-10	M	71	Prostate	Prostatic hyperplasia	TUR	N
B-1	M	68	Prostate	Prostatic hyperplasia	TUR	N
B-2	M	71	Prostate	Prostatic hyperplasia	TUR	3+
B-3	M	84	Prostate	Prostatic hyperplasia	TUR	N
B-4	M	69	Prostate	Prostatic hyperplasia	TUR	N
B-5	M	69	Prostate	Prostatic hyperplasia	TUR	3+
B-6	M	62	Prostate	Prostatic hyperplasia	TUR	2+
B-7	M	57	Prostate	Prostatic hyperplasia	TUR	N
B-8	M	68	Prostate	Prostatic hyperplasia	TUR	N
B-9	M	68	Prostate	Prostatic hyperplasia	TUR	N
B-10	M	65	Prostate	Prostatic hyperplasia	TUR	N
C-1	M	86	Prostate	Prostatic hyperplasia	TUR	N
C-2	M	68	Prostate	Prostatic hyperplasia	TUR	3+
C-3	M	72	Prostate	Prostatic hyperplasia	TUR	N
C-4	M	70	Prostate	Prostatic hyperplasia	TUR	1+
C-5	M	71	Prostate	Prostatic hyperplasia	TUR	2+
C-6	M	60	Prostate	Prostatic hyperplasia	TUR	N
C-7	M	64	Prostate	Prostatic hyperplasia	TUR	N
C-8	M	77	Prostate	Prostatic hyperplasia	TUR	N
C-9	M	73	Prostate	Prostatic hyperplasia	TUR	N
C-10	M	77	Prostate	Prostatic hyperplasia	TUR	3+
D-1	M	78	Prostate	Prostatic hyperplasia	TUR	2+
D-2	M	65	Prostate	Prostatic hyperplasia	TUR	N
D-3	M	78	Prostate	Prostatic hyperplasia	TUR	N
D-4	M	73	Prostate	Prostatic hyperplasia	TUR	N
D-5	M	77	Prostate	Prostatic hyperplasia	TUR	3+
D-6	M	75	Prostate	Prostatic hyperplasia	TUR	2+
D-7	M	80	Prostate	Prostatic hyperplasia	TUR	2+
D-8	M	73	Prostate	Prostatic hyperplasia	TUR	2+
D-9	M	75	Prostate	Prostatic hyperplasia	TUR	3+
D-10	M	80	Prostate	Prostatic hyperplasia	TUR	4+
E-1	M	78	Prostate	Prostatic hyperplasia	TUR	N
E-2	M	63	Prostate	Prostatic hyperplasia	TUR	N
E-3	M	69	Prostate	Prostatic hyperplasia	TUR	N
E-4	M	82	Prostate	Prostatic hyperplasia	TUR	2+
E-5	M	78	Prostate	Prostatic hyperplasia	TUR	N
E-6	M	75	Prostate	Prostatic hyperplasia	TUR	1+
E-7	M	60	Prostate	Prostatic hyperplasia	TUR	N
E-8	M	66	Prostate	Prostatic hyperplasia	TUR	N
E-9	M	64	Prostate	Prostatic hyperplasia	TUR	N
E-10	M	73	Prostate	Prostatic hyperplasia	TUR	N
Grid 2						
F-1	F	N/A	Breast		Mastectomy	N

Appendix A

Table 17

NO 200 #90100 Clinomics Oncology and Normal Array Job #1190
Normal Tissue Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

F-2	F	52	Breast	Fibrocystic disease	Biopsy	N
F-3	F	69	Breast	Fibrocystic disease	Biopsy	3+
F-4	F	43	Breast	Epidermal inclusion cyst	Biopsy	N
F-5	F	50	Breast	Fibrocystic disease	Biopsy	3+
F-6	F	39	Breast	Fibrocystic disease	Biopsy	N
F-7	F	49	Breast	Fibrocystic disease	Biopsy	N
F-8	F	38	Breast	Fibrocystic disease	Biopsy	3+
F-9	F	53	Breast	Fibrocystic disease	Biopsy	N
F-10	F	74	Breast	Fibrocystic disease	Biopsy	N
G-1	F		Breast	Fibrocystic disease	Biopsy	N
G-2	F		Breast	Fibrocystic disease	Biopsy	N
G-3	F		Breast	Fibrocystic disease	Biopsy	3+
G-4	F		Breast	Fibrocystic disease	Biopsy	N
G-5	F		Breast	Chronic mastitis	Biopsy	N
G-6	F		Breast	Fibrocystic disease	Biopsy	N
G-7	F		Breast	Fibrocystic disease	Biopsy	N
G-8	F		Breast	Perilobular fibrosis	Biopsy	N
G-9	F		Breast	Fibroadenoma	Biopsy	N
G-10	F		Breast	Fibrocystic disease	Biopsy	N
H-1	F		Breast	Fibrocystic disease	Biopsy	3+
H-2	F		Breast	Fibrocystic disease	Biopsy	N
H-3	F		Breast	Fibrocystic disease	Biopsy	N
H-4	F		Breast	Fibrosis	Biopsy	N
H-5	F		Breast	Fibroadenoma	Biopsy	N
H-6	F		Breast	Fibrocystic disease	Biopsy	N
H-7	F		Breast	Fibrocystic disease	Biopsy	N
H-8	F		Breast	Fibrocystic disease	Biopsy	N
H-9	F		Breast	Fibrocystic disease	Biopsy	3+
H-10	F		Breast	Fibrocystic disease	Biopsy	3+
I-1	F	N/A	Breast	Fibrocystic disease	Biopsy	N
I-2	F	35	Breast	Fibrocystic disease	Biopsy	N
I-3	F	29	Breast	Fibrocystic disease	Biopsy	N
I-4	F	77	Breast	Fibrocystic disease	Biopsy	N
I-5	F	69	Breast	Fibrocystic disease	Biopsy	N
I-6	F	68	Breast	Fibrocystic disease	Biopsy	N
I-7	F	51	Breast	Fibrocystic disease	Biopsy	4+
I-8	F	52	Breast		Biopsy	3+
I-9	F	54	Breast	Chronic inflammation	Biopsy	3+
I-10	F	80	Breast	Fibrocystic disease	Biopsy	N
J-1	F	39	Breast	Fibrocystic disease	Biopsy	3+
J-2	F	41	Breast	No pathological diagnosis	Biopsy	N
J-3	F	48	Breast	Fibrocystic disease	Biopsy	N
J-4	F	61	Breast	Fibrocystic disease	Biopsy	N
J-5	F	65	Breast	Fibrocystic disease	Biopsy	N
J-6	F	52	Breast	Fibrocystic disease	Biopsy	N
J-7	F	72	Breast	Fibrocystic disease	Biopsy	N
J-8	F	56	Breast	Fibrocystic disease	Mastectomy	N
J-9	F	54	Breast	Fibrocystic disease	Biopsy	N
J-10	F	N/A	Breast	Fibrocystic disease	Biopsy	N
Grid 3						
K-1	F	48	Skin	Hemangioma	Biopsy	3+
K-2	M	10	Skin	Pyogenic granuloma	Biopsy	3+
K-3	M	51	Skin	Parakeratosis; dermatitis	Biopsy	N
K-4		45	Skin	Seborrheic keratosis	Biopsy	N
K-5	MF	55	Skin	Hemangioma	Biopsy	N

Appendix A

Table 17

NO 200 #90100 Clinomics Oncology and Normal Array Job #1190
Normal Tissue Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

K-6	F	73	Skin	Hemangioma	Biopsy	N
K-7	M	33	Skin	Chronic dermatitis	Biopsy	3+
K-8	F	19	Skin	Intradermal nevus	Biopsy	N
K-9	F	28	Skin	Dermatofibroma	Biopsy	N
L-1	M	13	Skin	Pyogenic granuloma	Biopsy	3+
L-2	F	42	Skin	Angiokeratoma	Biopsy	N
L-3	M	33	Skin	Intradermal nevus	Biopsy	3+
L-4	M	56	Skin	Hemangioma	Biopsy	0
L-5	F	43	Skin	Hemangioma	Biopsy	N
L-6	F	23	Skin	Dermatofibroma	Biopsy	2+
L-7	M	24	Skin	Pyogenic granuloma	Biopsy	3+
L-8	F	68	Skin	Intradermal nevus	Biopsy	3+
L-9	F	30	Skin	Intradermal nevus	Biopsy	3+
L-10	M	32	Skin	Dermatofibroma	Biopsy	N
M-1	M	36	Skin	Dermatofibroma	Biopsy	3+
M-2	F	71	Skin	Intradermal nevus	Biopsy	3+
M-3	F	35	Skin	Epidermal inclusion cyst	Biopsy	N
M-4	M	47	Skin	Dermatofibroma	Biopsy	N
M-5	M	N/A	Skin	Dermatofibroma	Biopsy	N
M-6	F	N/A	Skin	Dermatofibroma	Biopsy	3+
M-7	F	53	Skin	Intradermal nevus	Biopsy	3+
M-8	F	43	Skin	Epidermal inclusion cyst	Biopsy	N
M-9	M	28	Skin	Dermatofibroma	Biopsy	N
M-10	M	48	Skin	Intradermal nevus	Biopsy	3+
N-1	M	28	Testes	Testicular atrophy	Testectomy	N
N-2	M	38	Testes	Testicular atrophy	Testectomy	4+
N-3	M	53	Epididymis; testes	Necrosis of testicular parenchyma	Testectomy	3+
N-4	M	74	Epididymis; testes	Spermatocele	Testectomy	3+
N-5	M	78	Testes	Decreased spermatogenesis	Testectomy	3+
N-6	M	78	Testes	Decreased spermatogenesis	Testectomy	2+
N-7	M	78	Testes	Decreased spermatogenesis	Testectomy	N
N-8	M	82	Testes	Decreased spermatogenesis	Testectomy	3+
N-9	M	82	Testes	Decreased spermatogenesis	Testectomy	4+
N-10	M	53	Epididymis; testes	Ectatic epididymis tubules	Testectomy	N
O-1	M	77	Liver	Capsular angioma	Biopsy	N
O-2	F	67	Liver	Fatty metamorphosis	Biopsy	N
O-3	F	32	Liver	Chronic inflammation; fibrosis	Biopsy	3+
O-4	F	26	Liver	Chronic triaditis	Biopsy	4+
O-5	N/A	55	Gallbladder	Cholecystitis	Cholystectomy	N
O-6	M	40	Liver	Chronic triaditis	Biopsy	N
O-7	F	32	Liver	No diagnostic alterations	Biopsy	3+
O-8	M	73	Liver	Chronic inflammation; fibrosis	Biopsy	N
O-9	M	73	Liver	Chronic inflammation; fibrosis	Biopsy	N
O-10	M	73	Liver	Chronic inflammation; fibrosis	Biopsy	N
P-1	M	N/A	Colon	Tubular adenoma	Biopsy	3+
P-2	F	91	Colon	Tubular adenoma	Biopsy	N
P-3	F	41	Colon	Tubular adenoma	Biopsy	4+
P-4	M	71	Colon	Tubular adenoma	Biopsy	N
P-5	F	58	Colon	Tubular adenoma	Biopsy	3+
P-6	M	69	Colon	Tubular adenoma	Biopsy	1+
P-7	M	81	Colon	Tubular adenoma	Biopsy	N
P-8	F	44	Colon	Tubular adenoma	Biopsy	3+
P-9	M	66	Colon	Tubular adenoma	Biopsy	2+
P-10	F	60	Colon	Tubular adenoma	Biopsy	N

Appendix A
Table 17
NO 200 #90100 Clinomics Oncology and Normal Array Job #1190
Normal Tissue Array
CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

Q-1	M	84	Colon	Tubular adenoma	Biopsy	3+
Q-2	M	42	Substantia nigra	Unremarkable	Autopsy	2+
Q-3	M	42	Medulla oblongate	Unremarkable	Autopsy	2+
Q-4	M	42	Cerebellum	Unremarkable	Autopsy	3+
Q-5	M	40	Parathyroid	Nodular hyperplasia	Parathyroidectomy	3+
Q-6	M	100	Lung	Bronchopneumonia	Autopsy	N
Q-7	F	52	Spleen	Unremarkable	Autopsy	4+
Q-8	F	100	Spleen	Unremarkable	Autopsy	4+
Q-9	F	44	Thyroid	Unremarkable	Autopsy	1+
Q-10	M	15	Tonsil	Lymphoid hyperplasia	Tonsilectomy	3+
R-1	F	79	Cervix	No diagnostic abnormality	Hysterectomy	N
R-2	F	79	Cervix	No diagnostic abnormality	Hysterectomy	N
R-3	F	43	Cervix	Dysplasia	Cone biopsy	N
R-4	F	43	Cervix	Dysplasia	Cone biopsy	N
R-5	F	35	Ovary	Paraovarian cysts	Hysterectomy	N
R-6	F	52	Ovary	No diagnostic abnormality	Autopsy	N
R-7	F	31	Uterus	No diagnostic abnormality	Autopsy	2+
R-8	F	80	Cervix	No diagnostic abnormality	Hysterectomy	N
R-9	F	35	Uterus	Adenomyosis	Hysterectomy	N
R-10	F	35	Cervix	No diagnostic abnormality	Hysterectomy	N
S-1	F	71	Kidney	Arterialnephrosclerosis	Autopsy	N
S-2	F	71	Kidney	Arterialnephrosclerosis	Autopsy	N
S-3	F	31	Coronary artery	Unremarkable		1+
S-4	F	31	Coronary artery	Unremarkable		1+
S-5	F	71	Left ventricle	chronic ischemic cardiomyopat	Autopsy	4+
S-6	F	31	Heart	Unremarkable	Autopsy	4+
S-7	F	31	Heart	Unremarkable	Autopsy	4+
S-8	F	71	Right ventricle	chronic ischemic cardiomyopat	Autopsy	3+
S-9	F	71	Right atrium	chronic ischemic cardiomyopat	Autopsy	3+
S-10	F	52	Trachea	Unremarkable	Autopsy	N
T-1	F	70	Appendix	Appendicitis	Appendectomy	N
T-2	F	35	Small bowel	Serositis	Resection	N
T-3	F	35	Retroperitoneum	Lipoma	Biopsy	N
T-4	M	82	Skin; penis	No diagnostic abnormalities	Biopsy	N
T-5	M	63	Prostate	BPH	TUR	3+
T-6	M	5	Tonsil	Tonsillitis	Tonsilectomy	4+
T-7	M	15	Tonsil	Tonsillitis	Tonsilectomy	4+
T-8	F	70	Appendix	Appendicitis	Appendectomy	4+
T-9	M	51	Prostate	No diagnostic abnormalities	Prostatectomy	3+
T-10	F	79	Cervix	No diagnostic abnormalities	Hysterectomy	N

Appendix A
Table 18
NO 50 LOT 1 #2 Clinimics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining Epithelium	Stroma
A-1a	M	77	Prostate	Adenocarcinoma	3	3	6	T1a	Nx	TUR	N	3+
A-2a	M	74	Prostate	Adenocarcinoma	3	2	5	T1b	Nx	TUR	1+	1+
A-3a	M	74	Prostate	Adenocarcinoma	3	2	5	T1b	Nx	TUR	M	M
A-4a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	3+	1+
A-5a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	2+	1+
A-6a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	2+	M
A-7a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	3+	1+
A-8a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	2+	1+
A-9a	M	62	Prostate	Prostate- benign hyperplasia	2	2	4	T1	Nx	TUR	2+	1+
A-10a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	M	M
A-1b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	1+
A-2b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	4+	2+
A-3b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	4+	2+
A-4b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-5b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	1+
A-6b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-7b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-8b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-9b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	1+
A-10b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	1+
A-1c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	2+	2+
A-2c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-3c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	4+	3+
A-4c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	4+	1+
A-5c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	3+
A-6c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	2+	2+
A-7c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	2+	1+
A-8c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-9c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	3+
A-10c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	2+	2+
A-1d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+	1+
A-2d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-3d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+	1+
A-4d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	M	M
A-5d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	3+	1+
A-6d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-7d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+	1+
A-8d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-9d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	N	1+

Appendix A
Table 18
NO 50 LOT 1 #2 Clinomics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON			PT	PN	SURGERY	a-Test Staining	
					1	2	SUM				Epithelium	Stroma
A-10d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+	1+
A-1e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-2e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	M	M
A-3e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-4e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+	1+
A-5e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-6e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-7e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-8e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-9e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	2+
A-10e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
B-1a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+	1+
B-2a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	M	M
B-3a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+	1+
B-4a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+	2+
B-5a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+	1+
B-6a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	1+	2+
B-7a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	M	M
B-8a	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	3+	3+
B-9a	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	3+	4+
B-10a	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	3+	4+
B-1b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+	3+
B-2b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	N	3+
B-3b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+	2+
B-4b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+	2+
B-5b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+	3+
B-6b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+	2+
B-7b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	M	M
B-8b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+	3+
B-9b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+	3+
B-10b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	3+	3+
B-1c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N	3+
B-2c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
B-3c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N	3+
B-4c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
B-5c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N	3+
B-6c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
B-7c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+

Appendix A
Table 18
NO 50 LOT 1 #2 Clinomics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining Epithelium	Stroma
B-8c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
B-9c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
B-10c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
B-1d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-2d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-3d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-4d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-5d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-6d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-7d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-8d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-9d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	2+
B-10d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	N	N
B-1e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	1+	1+
B-2e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	M	M
B-3e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	1+	1+
B-4e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	1+	1+
B-5e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	2+
B-6e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	3+	1+
B-7e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-8e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-9e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-10e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	3+	2+
B-1f	M	66	Prostate	prostatic hyperplasia						TUR	2+	2+
B-2f	M	81	Prostate	prostatic hyperplasia						TUR	2+	2+
B-3f	M	78	Prostate	prostatic hyperplasia						TUR	2+	2+
B-4f	M	78	Prostate	prostatic hyperplasia						TUR	2+	3+
B-5f	M	78	Prostate	prostatic hyperplasia						TUR	N	2+
GRID C												
C-1a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	2+	2+
C-2a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	N	2+
C-3a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	2+	1+
C-4a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	N	2+
C-5a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	1+	2+
C-6a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	1+	1+
C-7a	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-8a	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-9a	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M

Appendix A
Table 18
NO 50 LOT 1 #2 Clinomics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining	
											Epithelium	Stroma
C-10a	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-1b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-2b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-3b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	2+
C-4b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-5b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-6b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-7b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-8b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-9b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-10b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-1c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-2c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-3c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
C-4c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-5c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-6c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-7c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-8c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N	1+
C-9c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-10c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-1d	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-2d	M	84	Prostate	Benign prostatic hypertrophy			10	T1	Nx	TUR	2+	2+
C-3d	M	84	Prostate	Benign prostatic hypertrophy			10	T1	Nx	TUR	2+	1+
C-4d	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-5d	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-6d	M	84	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	2+
C-7d	M	84	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	2+
C-8d	M	84	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	1+	1+
C-9d	M	84	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	1+
C-10d	M	84	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	1+
C-1e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	2+	1+
C-2e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	N	1+
C-3e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	2+	0
C-4e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	0
C-5e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	1+	1+
C-6e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	M	M

Appendix A
Table 18
NO 50 LOT 1 #2 Clinomics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining Epithelium	Stroma
C-7e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	2+
C-8e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	2+	2+
C-9e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	2+
C-10e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	1+	1+
C-1f	M	66	Prostate	benign prostatic hypertrophy						TUR	2+	2+
C-2f	M	66	Prostate	benign prostatic hypertrophy						TUR	1+	1+
C-3f	M	66	Prostate	benign prostatic hypertrophy						TUR	2+	2+
GRID D												
D-1a	M	73	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	3+	2+
D-2a	M	73	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	2+	2+
D-3a	M	73	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	M	M
D-4a	M	61	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	3+	2+
D-5a	M	61	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	2+	1+
D-6a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
D-7a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
D-8a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	1+
D-9a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	1+
D-10a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
D-1b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
D-2b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	4+	2+
D-3b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
D-4b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
D-5b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
D-6b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	1+
D-7b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
D-8b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	4+	1+
D-9b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	4+	2+
D-10b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
D-1c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	2+
D-2c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N	2+
D-3c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
D-4c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
D-5c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	1+
D-6c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
D-7c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
D-8c	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	3+	2+
D-9c	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	2+	1+
D-10c	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	1+	1+

Appendix A
Table 18
NO 50 LOT 1 #2 Clinomics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON			PT	PN	SURGERY	a-Test Staining	
					1	2	SUM				Epithelium	Stroma
D-1d	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	2+	2+
D-2d	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	3+	1+
D-3d	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	1+	1+
D-4d	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	M	M
D-5d	M	72	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	3+	2+
D-6d	M	72	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	4+	2+
D-7d	M	72	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	4+	2+
D-8d	M	94	Prostate	Adenocarcinoma	3	2	5	T1	Nx	TUR	2+	1+
D-9d	M	94	Prostate	Adenocarcinoma	3	2	5	T1	Nx	TUR	2+	1+
D-10d	M	94	Prostate	Adenocarcinoma	3	2	5	T1	Nx	TUR	2+	1+
D-1e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	2+
D-2e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	4+	2+
D-3e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	1+
D-4e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	2+
D-5e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	2+
D-6e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	4+	2+
D-7e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	1+	1+
D-8e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	2+	2+
D-9e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	N	1+
#NAME?	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	2+
D-1f	M	65	Prostate	prostatic hyperplasia						TUR	1+	2+
D-2f	M	81	Prostate	prostatic hyperplasia						TUR	1+	2+
D-3f	M	66	Prostate	prostatic hyperplasia						TUR	1+	1+
D-4f	M	71	Prostate	benign prostatic hypertrophy						TUR	1+	2+
D-5f	M	71	Prostate	benign prostatic hypertrophy						TUR	3+	3+
Controls												
1	F	32	Brain	normal							2+	
2	F	6	Heart	normal							2+	
3	F	6	Liver	normal							2+	
4	F	32	Spleen	normal							2+	
5	F	101	Muscle	normal							1+	
6	M	62	Testes	normal							2+	
7	F	101	Kidney	normal							3+	
8	F	52	Thyroid	normal							N	
9	M	62	Adrenal	normal							2+	
10	F	32	Lung	normal							2+	
11	F	36	Breast	normal							N	
12	F	52	Lymph Node	normal							4+	

Appendix A
Table 19
Oncology Frozen Array
Job #1190
a-CA125 Staining of Ovarian, Endometrial, and Cervical Adenocarcinomas

Case #	Specimen	RCAS1 Staining	Element Stained	RCAS1 Staining	Element Stained	CA125 Staining	Element Stained
1190-1a	Ovarian CA	0 to 4+	Tumor				
1190-1b	Ovarian CA	0 to 4+	Tumor				
1190-1c	Ovarian CA	0 to 4+	Tumor				
1190-2a	Ovarian CA	0	Metastatic Carcinoid				
1190-2b	Ovarian CA	0 to 1+	Metastatic Carcinoid				
1190-3a	Ovarian CA	0 to 1+	Metastatic Carcinoid				
1190-3b	Ovarian CA	0 to 1+	Metastatic Carcinoid				
1190-4a	Ovarian CA	0 to 1+	Tumor				
1190-4b	Ovarian CA	2 to 3+	Tumor				
1190-4c	Ovarian CA	0	Tumor				
1190-5a	Ovarian CA	4+	Tumor				
1190-5b	Ovarian CA	4+	Tumor				
1190-6a	Ovarian CA	1+	Tumor				
1190-6b	Ovarian CA	1 to 2+	Tumor				
1190-6c	Ovarian CA	2 to 3+	Tumor				
1190-7	Ovarian CA	2 to 3+	Tumor				
1190-8a	Ovarian CA	0 to 1+	Metastatic Ovarian CA				
1190-8b	Ovarian CA	0 to 2+	Metastatic Ovarian CA				
1190-9	Ovarian CA	0 to 3+	Tumor				
1190-10	Ovarian CA	0 to 2+	Tumor				
1190-11	Endometrial CA	3 to 4+	Endometrial CA				
1190-12	Endometrial CA	3 to 4+	Endometrial CA				
1190-13	Endometrial CA	4+	Endometrial CA				
1190-14	Endometrial CA	1 to 3+	Endometrial CA				
1190-15	Endometrial CA	1 to 3+	Endometrial CA				
1190-16	Endometrial CA	3 to 4+	Endometrial CA				
1190-17	Endometrial CA	4+	Endometrial CA				
1190-18	Normal Ovary	2 to 4+	Corpus Luteum	1 to 2+	Smooth Muscle*	0	Normal Elements
1190-19	Normal Ovary	2 to 4+	Corpus Luteum	1 to 2+	Smooth Muscle*	0	Normal Elements
1190-20	Normal Ovary	2 to 4+	Corpus Luteum	1 to 2+	Smooth Muscle*	0	Normal Elements
1190-21	Normal Ovary	2 to 4+	Corpus Luteum	1 to 2+	Smooth Muscle*	0	Normal Elements
1190-22	Normal Ovary	2 to 4+	Corpus Luteum	1 to 2+	Smooth Muscle*	0	Normal Elements
1190-23	Cervical CA	3 to 4+	Cervical Adenocarcinoma				
1190-24	Cervical CA	4+	Cervical Adenocarcinoma				
1190-25	Cervical CA	3 to 4+	Cervical Adenocarcinoma				
1190-26	Cervical CA	3 to 4+	Cervical Adenocarcinoma				

Note: The smooth muscle is seen in the section demonstrating fallopian tube

Appendix A
Table 20
NO 50 LOT 1 #2 Clinics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays

Coordinates	Sex	Age	Organ	Diagnosis	Surgery	a-test Staining	
Grid 1						Muscle	Epithelium
A-1	M	60	Prostate	Prostatic hyperplasia	TUR	2+	2+
A-2	M	75	Prostate	Prostatic hypertrophy	TUR	1+	1+
A-3	M	66	Prostate	Prostatic hyperplasia	TUR	M	M
A-4	M	89	Prostate	Prostatic hyperplasia	TUR	M	M
A-5	M	67	Prostate	Prostatic hyperplasia	TUR	1+	3+
A-6	M	71	Prostate	Prostatic hyperplasia	TUR	1+	N
A-7	M	74	Prostate	Prostatic hyperplasia	TUR	2+	N
A-8	M	72	Prostate	Prostatic hyperplasia	TUR	2+	2+
A-9	M	74	Prostate	Prostatic hyperplasia	TUR	1+	2+
A-10	M	71	Prostate	Prostatic hyperplasia	TUR	1+	N
B-1	M	68	Prostate	Prostatic hyperplasia	TUR	1+	N
B-2	M	71	Prostate	Prostatic hyperplasia	TUR	1+	3+
B-3	M	84	Prostate	Prostatic hyperplasia	TUR	2+	N
B-4	M	69	Prostate	Prostatic hyperplasia	TUR	1+	N
B-5	M	69	Prostate	Prostatic hyperplasia	TUR	1+	3+
B-6	M	62	Prostate	Prostatic hyperplasia	TUR	1+	3+
B-7	M	57	Prostate	Prostatic hyperplasia	TUR	2+	N
B-8	M	68	Prostate	Prostatic hyperplasia	TUR	2+	N
B-9	M	68	Prostate	Prostatic hyperplasia	TUR	2+	N
B-10	M	65	Prostate	Prostatic hyperplasia	TUR	M	M
C-1	M	86	Prostate	Prostatic hyperplasia	TUR	1+	N
C-2	M	68	Prostate	Prostatic hyperplasia	TUR	1+	4+
C-3	M	72	Prostate	Prostatic hyperplasia	TUR	2+	N
C-4	M	70	Prostate	Prostatic hyperplasia	TUR	2+	2+
C-5	M	71	Prostate	Prostatic hyperplasia	TUR	2+	3+
C-6	M	60	Prostate	Prostatic hyperplasia	TUR	2+	2+
C-7	M	64	Prostate	Prostatic hyperplasia	TUR	1+	N
C-8	M	77	Prostate	Prostatic hyperplasia	TUR	2+	N
C-9	M	73	Prostate	Prostatic hyperplasia	TUR	1+	N
C-10	M	77	Prostate	Prostatic hyperplasia	TUR	2+	1+
D-1	M	78	Prostate	Prostatic hyperplasia	TUR	2+	2+
D-2	M	65	Prostate	Prostatic hyperplasia	TUR	1+	N
D-3	M	78	Prostate	Prostatic hyperplasia	TUR	M	M
D-4	M	73	Prostate	Prostatic hyperplasia	TUR	1+	N
D-5	M	77	Prostate	Prostatic hyperplasia	TUR	2+	2+
D-6	M	75	Prostate	Prostatic hyperplasia	TUR	1+	2+
D-7	M	80	Prostate	Prostatic hyperplasia	TUR	1+	1+
D-8	M	73	Prostate	Prostatic hyperplasia	TUR	1+	1+
D-9	M	75	Prostate	Prostatic hyperplasia	TUR	1+	2+
D-10	M	80	Prostate	Prostatic hyperplasia	TUR	1+	3+
E-1	M	78	Prostate	Prostatic hyperplasia	TUR	1+	N
E-2	M	63	Prostate	Prostatic hyperplasia	TUR	2+	N
E-3	M	69	Prostate	Prostatic hyperplasia	TUR	1+	N
E-4	M	82	Prostate	Prostatic hyperplasia	TUR	1+	2+
E-5	M	78	Prostate	Prostatic hyperplasia	TUR	2+	N
E-6	M	75	Prostate	Prostatic hyperplasia	TUR	1+	1+
E-7	M	60	Prostate	Prostatic hyperplasia	TUR	0	1+
E-8	M	66	Prostate	Prostatic hyperplasia	TUR	1+	N
E-9	M	64	Prostate	Prostatic hyperplasia	TUR	0	N
E-10	M	73	Prostate	Prostatic hyperplasia	TUR	1+	N
Grid 2						Epithelium	
F-1	F	N/A	Breast		Mastectomy	M	
F-2	F	52	Breast	Fibrocystic disease	Biopsy	M	
F-3	F	69	Breast	Fibrocystic disease	Biopsy	2+	
F-4	F	43	Breast	Epidermal inclusion cyst	Biopsy	3+	
F-5	F	50	Breast	Fibrocystic disease	Biopsy	3+	
F-6	F	39	Breast	Fibrocystic disease	Biopsy	N	
F-7	F	49	Breast	Fibrocystic disease	Biopsy	N	
F-8	F	38	Breast	Fibrocystic disease	Biopsy	N	
F-9	F	53	Breast	Fibrocystic disease	Biopsy	N	
F-10	F	74	Breast	Fibrocystic disease	Biopsy	N	
G-1	F		Breast	Fibrocystic disease	Biopsy	N	

Appendix A
Table 21
NO 50 LOT 1 #2 Clinics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays

Coordinates	Sex	Age	Organ	Diagnosis	Surgery	a-test Staining	
G-2	F		Breast	Fibrocystic disease	Biopsy	N	
G-3	F		Breast	Fibrocystic disease	Biopsy	3+	
G-4	F		Breast	Fibrocystic disease	Biopsy	N	
G-5	F		Breast	Chronic mastitis	Biopsy	N	
G-6	F		Breast	Fibrocystic disease	Biopsy	N	
G-7	F		Breast	Fibrocystic disease	Biopsy	N	
G-8	F		Breast	Perilobular fibrosis	Biopsy	N	
G-9	F		Breast	Fibroadenoma	Biopsy	2+	
G-10	F		Breast	Fibrocystic disease	Biopsy	M	
H-1	F		Breast	Fibrocystic disease	Biopsy	2+	
H-2	F		Breast	Fibrocystic disease	Biopsy	2+	
H-3	F		Breast	Fibrocystic disease	Biopsy	N	
H-4	F		Breast	Fibrosis	Biopsy	N	
H-5	F		Breast	Fibroadenoma	Biopsy	M	
H-6	F		Breast	Fibrocystic disease	Biopsy	N	
H-7	F		Breast	Fibrocystic disease	Biopsy	M	
H-8	F		Breast	Fibrocystic disease	Biopsy	N	
H-9	F		Breast	Fibrocystic disease	Biopsy	3+	
H-10	F		Breast	Fibrocystic disease	Biopsy	N	
I-1	F	N/A	Breast	Fibrocystic disease	Biopsy	0	
I-2	F	35	Breast	Fibrocystic disease	Biopsy	N	
I-3	F	29	Breast	Fibrocystic disease	Biopsy	N	
I-4	F	77	Breast	Fibrocystic disease	Biopsy	N	
I-5	F	69	Breast	Fibrocystic disease	Biopsy	N	
I-6	F	68	Breast	Fibrocystic disease	Biopsy	N	
I-7	F	51	Breast	Fibrocystic disease	Biopsy	3+	
I-8	F	52	Breast		Biopsy	3+	
I-9	F	54	Breast	Chronic inflammation	Biopsy	3+	
I-10	F	80	Breast	Fibrocystic disease	Biopsy	3+	
J-1	F	39	Breast	Fibrocystic disease	Biopsy	2+	
J-2	F	41	Breast	No pathological diagnosis	Biopsy	N	
J-3	F	48	Breast	Fibrocystic disease	Biopsy	1+	
J-4	F	61	Breast	Fibrocystic disease	Biopsy	N	
J-5	F	65	Breast	Fibrocystic disease	Biopsy	N	
J-6	F	52	Breast	Fibrocystic disease	Biopsy	N	
J-7	F	72	Breast	Fibrocystic disease	Biopsy	N	
J-8	F	56	Breast	Fibrocystic disease	Mastectomy	N	
J-9	F	54	Breast	Fibrocystic disease	Biopsy	N	
J-10	F	N/A	Breast	Fibrocystic disease	Biopsy	N	
Grid 3						Epithelium	Endothelium
K-1	F	48	Skin	Hemangioma	Biopsy	1+	1+
K-2	M	10	Skin	Pyogenic granuloma	Biopsy	2+	2+
K-3	M	51	Skin	Parakeratosis; dermatitis	Biopsy	N	3+
K-4		45	Skin	Seborrheic keratosis	Biopsy	M	M
K-5	MF	55	Skin	Hemangioma	Biopsy	N	2+
K-6	F	73	Skin	Hemangioma	Biopsy	N	N
K-7	M	33	Skin	Chronic dermatitis	Biopsy	N	3+
K-8	F	19	Skin	Intradermal nevus	Biopsy	M	M
K-9	F	28	Skin	Dermatofibroma	Biopsy	M	M
K-10							
L-1	M	13	Skin	Pyogenic granuloma	Biopsy	N	2+
L-2	F	42	Skin	Angiokeratoma	Biopsy	N	2+
L-3	M	33	Skin	Intradermal nevus	Biopsy	N	2+
L-4	M	56	Skin	Hemangioma	Biopsy	N	0
L-5	F	43	Skin	Hemangioma	Biopsy	N	N
L-6	F	23	Skin	Dermatofibroma	Biopsy	N	2+
L-7	M	24	Skin	Pyogenic granuloma	Biopsy	N	2+
L-8	F	68	Skin	Intradermal nevus	Biopsy	N	2+
L-9	F	30	Skin	Intradermal nevus	Biopsy	N	2+
L-10	M	32	Skin	Dermatofibroma	Biopsy	2+	1+
M-1	M	36	Skin	Dermatofibroma	Biopsy	1+	1+
M-2	F	71	Skin	Intradermal nevus	Biopsy	0	2+
M-3	F	35	Skin	Epidermal inclusion cyst	Biopsy	2+	2+
M-4	M	47	Skin	Dermatofibroma	Biopsy	2+	1+

Appendix A
Table 21
NO 50 LOT 1 #2 Clinics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays

Coordinates	Sex	Age	Organ	Diagnosis	Surgery	a-test Staining	
M-5	M	N/A	Skin	Dermatofibroma	Biopsy	2+	1+
M-6	F	N/A	Skin	Dermatofibroma	Biopsy	N	2+
M-7	F	53	Skin	Intradermal nevus	Biopsy	1+	N
M-8	F	43	Skin	Epidermal inclusion cyst	Biopsy	N	2+
M-9	M	28	Skin	Dermatofibroma	Biopsy	2+	2+
M-10	M	48	Skin	Intradermal nevus	Biopsy	0	2+
N-1	M	28	Testes	Testicular atrophy	Testectomy	N	
N-2	M	38	Testes	Testicular atrophy	Testectomy	2+	
N-3	M	53	Epididymis; testis	Atrophy of testicular parenchyma	Testectomy	2+	
N-4	M	74	Epididymis; testis	Spermatocele	Testectomy	3+	
N-5	M	78	Testes	Decreased spermatogenesis	Testectomy	2+	
N-6	M	78	Testes	Decreased spermatogenesis	Testectomy	1+	
N-7	M	78	Testes	Decreased spermatogenesis	Testectomy	N	
N-8	M	82	Testes	Decreased spermatogenesis	Testectomy	2+	
N-9	M	82	Testes	Decreased spermatogenesis	Testectomy	3+	
N-10	M	53	Epididymis; testis	Ectatic epididymis tubules	Testectomy	N	
O-1	M	77	Liver	Capsular angioma	Biopsy	3+	
O-2	F	67	Liver	Fatty metamorphosis	Biopsy	M	
O-3	F	32	Liver	Chronic inflammation; fibrosis	Biopsy	1+	
O-4	F	26	Liver	Chronic triaditis	Biopsy	4+	
O-5	N/A	55	Gallbladder	Cholecystitis	Cholecystectomy	N	
O-6	M	40	Liver	Chronic triaditis	Biopsy	2+	
O-7	F	32	Liver	No diagnostic alterations	Biopsy		
O-8	M	73	Liver	Chronic inflammation; fibrosis	Biopsy	2+	
O-9	M	73	Liver	Chronic inflammation; fibrosis	Biopsy	2+	
O-10	M	73	Liver	Chronic inflammation; fibrosis	Biopsy	2+	
P-1	M	N/A	Colon	Tubular adenoma	Biopsy	2+	
P-2	F	91	Colon	Tubular adenoma	Biopsy	1+	
P-3	F	41	Colon	Tubular adenoma	Biopsy	3+	
P-4	M	71	Colon	Tubular adenoma	Biopsy	N	
P-5	F	58	Colon	Tubular adenoma	Biopsy	2+	
P-6	M	69	Colon	Tubular adenoma	Biopsy	2+	
P-7	M	81	Colon	Tubular adenoma	Biopsy	2+	
P-8	F	44	Colon	Tubular adenoma	Biopsy	2+	
P-9	M	66	Colon	Tubular adenoma	Biopsy	2+	
P-10	F	60	Colon	Tubular adenoma	Biopsy	2+	
Q-1	M	84	Colon	Tubular adenoma	Biopsy	3+	
Q-2	M	42	Substantia nigra	Unremarkable	Autopsy	2+	
Q-3	M	42	Medulla oblongata	Unremarkable	Autopsy	1+	
Q-4	M	42	Cerebellum	Unremarkable	Autopsy	1+	
Q-5	M	40	Parathyroid	Nodular hyperplasia	Parathyroidectomy	2+	
Q-6	M	100	Lung	Bronchopneumonia	Autopsy	2+	
Q-7	F	52	Spleen	Unremarkable	Autopsy	1+	
Q-8	F	100	Spleen	Unremarkable	Autopsy	2+	
Q-9	F	44	Thyroid	Unremarkable	Autopsy	1+	
Q-10	M	15	Tonsil	Lymphoid hyperplasia	Tonsillectomy	4+	
R-1	F	79	Cervix	No diagnostic abnormality	Hysterectomy	N	
R-2	F	79	Cervix	No diagnostic abnormality	Hysterectomy	N	
R-3	F	43	Cervix	Dysplasia	Cone biopsy	N	
R-4	F	43	Cervix	Dysplasia	Cone biopsy	N	
R-5	F	35	Ovary	Paraovarian cysts	Hysterectomy	2+	
R-6	F	52	Ovary	No diagnostic abnormality	Autopsy	N	
R-7	F	31	Uterus	No diagnostic abnormality	Autopsy	1+	
R-8	F	80	Cervix	No diagnostic abnormality	Hysterectomy	N	
R-9	F	35	Uterus	Adenomyosis	Hysterectomy	M	
R-10	F	35	Cervix	No diagnostic abnormality	Hysterectomy	0	
S-1	F	71	Kidney	Arterial nephrosclerosis	Autopsy	3+	
S-2	F	71	Kidney	Arterial nephrosclerosis	Autopsy	3+	
S-3	F	31	Coronary artery	Unremarkable		0	
S-4	F	31	Coronary artery	Unremarkable		1+	
S-5	F	71	Left ventricle	Chronic ischemic cardiomyopathy	Autopsy	3+	
S-6	F	31	Heart	Unremarkable	Autopsy	2+	
S-7	F	31	Heart	Unremarkable	Autopsy	2+	

Appendix A
Table 21
NO 50 LOT 1 #2 Clinics Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays

Coordinates	Sex	Age	Organ	Diagnosis	Surgery	a-test Staining	
S-8	F	71	Right ventricle	Iron ic ischemic cardiomyopat	Autopsy	2+	
S-9	F	71	Right atrium	Iron ic ischemic cardiomyopat	Autopsy	2+	
S-10	F	52	Trachea	Unremarkable	Autopsy	M	
T-1	F	70	Appendix	Appendicitis	Appendectomy	N	
T-2	F	35	Small bowel	Serositis	Resection	N	
T-3	F	35	Retroperitoneum	Lipoma	Biopsy	0	
T-4	M	82	Skin; penis	No diagnostic abnormalities	Biopsy	N	
T-5	M	63	Prostate	BPH	TUR	2+	
T-6	M	5	Tonsil	Tonsillitis	Tonsilectomy	4+	
T-7	M	15	Tonsil	Tonsillitis	Tonsilectomy	4+	
T-8	F	70	Appendix	Appendicitis	Appendectomy	N	
T-9	M	51	Prostate	No diagnostic abnormalities	Prostatectomy	2+	
T-10	F	79	Cervix	No diagnostic abnormalities	Hysterectomy	N	
Prostate: The antibody demonstrates cytoplasmic and nuclear staining in smooth muscle and epithelium.							
Breast: Scoring is based on cytoplasmic and nuclear staining of epithelial cells. Vascular endothelium also shows sta							
Skin: Scoring is based on epithelial and endothelial cell staining. Smooth muscle also shows staining.							
Testis: Scoring is based on tubular staining. Leydig cells also stain 2+ to 3+.							
Liver: Scoring is based on hepatocyte cytoplasmic staining.							
Colon: Scoring is based on epithelial cytoplasmic staining.							

Coordinates	Identical biopsy	age	sex	Organ	Histologic diagnosis	tissue represented, lot 1	underlying disease	Material	a-Test	Cell Type
A 1a		47	f	thyroid	normal	ok	adenoma	biopsy	2+	Follicular cells
A 1b		26	m	thyroid	normal	ok	adenoma	biopsy	3+	Follicular cells
A 1c	1	65	m	thyroid	normal	ok	adenoma	biopsy	3+	Follicular cells
A 1d	1	65	m	thyroid	normal	ok	adenoma	biopsy	3+	Follicular cells
A 1e		32	f	adrenal gland	normal	ok	trauma	autopsy, 3 hrs	4+	Cortical cells
A 1f		41	m	adrenal gland	normal	ok	trauma	autopsy, 5 hrs	3+	Cortical cells
A 1g		37	m	adrenal gland	normal	ok	trauma	autopsy, 4 hrs	3+	Cortical cells
A 1h		74	m	adrenal gland	normal	ok	kidney cancer	biopsy	4+	Cortical cells
A 2a		28	f	placenta, third trimester	normal	ok		biopsy	2+	Trophoblasts
A 2b		29	f	placenta, third trimester	normal	ok		biopsy	3+	Trophoblasts
A 2c		32	f	placenta, third trimester	normal	ok		biopsy	3+	Trophoblasts
A 2d		29	f	placenta, third trimester	normal	ok		biopsy	3+	Trophoblasts
A 2e		25	m	tonsil	normal	ok	chronic tonsillitis	biopsy	4+	Lymphoid cells
A 2f		18	f	tonsil	normal	ok	chronic tonsillitis	biopsy	3+	Lymphoid cells
A 2g		17	f	tonsil	normal	ok	chronic tonsillitis	biopsy	4+	Lymphoid cells
A 2h		34	m	tonsil	normal	ok	chronic tonsillitis	biopsy	3+	Lymphoid cells
A 3a		16	m	lymph node	normal	ok	cholecystitis	biopsy	1+	Lymphoid cells
A 3b				lymph node	normal	ok	gastric cancer	biopsy	2+	Lymphoid cells
A 3c		62	f	lymph node	normal	ok	breast cancer	biopsy	2+	Lymphoid cells
A 3d		54	f	lymph node	normal	ok	breast cancer	biopsy	1+	Lymphoid cells
A 3e		21	f	spleen	normal	ok	trauma	biopsy	2+	Parenchyma
A 3f		43	m	spleen	normal	ok	old hematoma	biopsy	2+	Parenchyma
A 3g		74	f	spleen	normal	ok	hyperplasia	biopsy	2+	Parenchyma
A 3h		26	f	spleen	normal	ok	Hodgkin disease	biopsy	4+	Parenchyma
A 4a		32	f	heart	normal	ok	trauma	autopsy, 3 hrs	2+	Cardiac muscle
A 4b		41	m	heart	normal	ok	trauma	autopsy, 5 hrs	1+	Cardiac muscle
A 4c		37	m	heart	normal	ok	trauma	autopsy, 4 hrs	2+	Cardiac muscle
A 4d	2	37	m	heart	normal	ok	trauma	autopsy, 4 hrs	2+	Cardiac muscle
A 4e		27	m	skeletal muscle	normal	ok	Seminoma	biopsy	1+	Skeletal muscle
A 4f		43	m	skeletal muscle	normal	ok	hernia	biopsy	0	Skeletal muscle
A 4g		67	m	skeletal muscle	normal	ok	eyelid resection	biopsy	2+	Skeletal muscle
A 4h		31	f	skeletal muscle	normal	ok	thyroid cancer	biopsy	2+	Skeletal muscle
A 5a		74	f	liver	normal	ok	mild non-specific portal triaditis	biopsy	0	Hepatocytes
A 5b		85	m	liver	normal	ok	colon cancer, metastatic	biopsy	1+	Hepatocytes
A 5c		71	m	liver	mild chronic inflammation	ok	cholecystitis	biopsy	0	Hepatocytes
A 5d		26	f	liver	normal	ok	Hodgkin disease	biopsy	0	Hepatocytes
A 5e	3	32	f	pancreas	normal	ok	trauma	autopsy, 3 hrs	2+	Acinar cells
A 5f	4	41	m	pancreas	normal	ok	trauma	autopsy, 5 hrs	2+	Acinar cells
A 5g	3	32	f	pancreas	normal	ok	trauma	autopsy, 3 hrs	4+	Acinar cells
A 6a	4	41	m	pancreas	normal	ok	trauma	autopsy, 5 hrs	1+	Acinar cells
A 6b		44	f	ovary, stroma	normal	ok	abnormal bleedings	biopsy	0	Stroma
A 6c				ovary, stroma	normal	ok	carcinoma in situ cervix	biopsy	0	Stroma
A 6d		47	f	ovary, stroma	normal	ok	hysterectomy	biopsy	0	Stroma
A 6e		47	f	ovary, stroma	normal	ok	myoma uterus	biopsy	0	Stroma
A 6f		30	f	myometrium	normal	ok	pelvic pain	biopsy	3+	Cardiac muscle
A 6g		45	f	myometrium	normal	ok	menometrorrhagia	biopsy	3+	Cardiac muscle
A 7a		49	f	myometrium	normal	ok	endometrium cancer	biopsy	0	Cardiac muscle
A 7b				myometrium	normal	ok	carcinoma in situ cervix	biopsy	2+	Cardiac muscle
A 7c		31	f	endo sekr	normal	ok	prolaps	biopsy	2+	Endometrial epithelium
A 7d		39	f	endo sekr	normal	ok	prolaps	biopsy	4+	Endometrial epithelium

Coordinates	Identical biopsy	age	sex	Organ	Histologic diagnosis	tissue represented, lot 1	underlying disease	Material	a-test	Cell Type
A 7e		32	f	endo sekr	normal	ok	carcinoma in situ cervix	biopsy	1+	Endometrial epithelium
A 7f										Endometrial epithelium
A 7g		74	m	kidney cortex	normal	ok	kidney cancer	biopsy	4+	Renal tubules
A 8a		78	m	kidney cortex	normal	ok	transitional cell carcinoma	biopsy	4+	Renal tubules
A 8b		88	m	kidney cortex	normal	ok	kidney cancer	biopsy	4+	Renal tubules
A 8c		87	m	kidney cortex	normal	ok	transitional cell carcinoma	biopsy	4+	Renal tubules
A 8d			m	prostate	normal	ok	BPH	biopsy	4+	Prostatic epithelium
A 8e		68	m	prostate	normal	ok	prostate cancer	biopsy	4+	Prostatic epithelium
A 8f		86	m	prostate	normal	ok	BPH	biopsy	4+	Prostatic epithelium
A 8g		68	m	prostate	normal	ok	BPH	biopsy	3+	Prostatic epithelium
B 1a		60	m	seminal vesicle	normal	ok	prostate cancer	biopsy	4+	Ductal epithelium
B 1b		63	m	seminal vesicle	normal	ok	prostate cancer	biopsy	4+	Ductal epithelium
B 1c		68	m	seminal vesicle	normal	ok	prostate cancer	biopsy	4+	Ductal epithelium
B 2a		65	m	seminal vesicle	normal	no epithelium	prostate cancer	biopsy	0	Stroma only
B 2b		77	m	testis	decreased spermiogenesis	ok	prostate cancer	biopsy	3+	Prostatic epithelium
B 2c		87	m	testis	decreased spermiogenesis	ok	prostate cancer	biopsy	3+	Prostatic epithelium
B 3a		86	m	testis	normal	ok	prostate cancer	biopsy	4+	Prostatic epithelium
B 3b		73	m	testis	normal	ok	prostate cancer	biopsy	4+	Prostatic epithelium
B 3c		74	f	lung	normal	ok	lung cancer	biopsy	3+	Pneumocytes
B 4a		62	m	lung	normal	ok	lung cancer	biopsy	4+	Pneumocytes
B 4b		68	f	lung	normal	ok	lung cancer	biopsy	3+	Pneumocytes
B 4c		69	f	lung	normal	ok	lung cancer	biopsy	N	Pneumocytes
B 5a		41	m	cerebellum	normal	ok	trauma	autopsy, 5 hrs	2+	Neuropil
B 5b		33	f	cerebellum	normal	ok	trauma	autopsy, <10 hrs	2+	Neuropil
B 6a	5	37	m	cerebellum	normal	ok	trauma	autopsy, 4 hrs	4+	Molecular layer
B 6b	5	37	m	cerebellum	normal	ok	trauma	autopsy, 4 hrs	3+	Molecular layer and neuropil
B 7a		32	f	cerebrum	normal	ok	trauma	autopsy, 3 hrs	3+	Neuropil
B 7b		41	m	cerebrum	normal	ok	trauma	autopsy, 5 hrs	3+	Neuropil
B 8a		33	f	cerebrum	normal	ok	trauma	autopsy, <10 hrs	3+	Neuropil
B 8b		37	m	cerebrum	normal	ok	trauma	autopsy, 4 hrs	3+	Neuropil

Table 21

NO 50 LOT 1 #2 Clinomic Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining	
											Epithelium	Stroma
A-1a	M	77	Prostate	Adenocarcinoma	3	3	6	T1a	Nx	TUR	N	3+
A-2a	M	74	Prostate	Adenocarcinoma	3	2	5	T1b	Nx	TUR	1+	1+
A-3a	M	74	Prostate	Adenocarcinoma	3	2	5	T1b	Nx	TUR	M	M
A-4a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	3+	1+
A-5a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	2+	1+
A-6a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	M	M
A-7a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	2+	1+
A-8a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	3+	1+
A-9a	M	62	Prostate	Prostate- benign hyperplasia	2	2	4	T1	Nx	TUR	2+	1+
A-10a	M	62	Prostate	Adenocarcinoma	2	2	4	T1	Nx	TUR	M	M
A-1b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	1+
A-2b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	4+	2+
A-3b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	4+	2+
A-4b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-5b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	1+
A-6b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-7b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-8b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-9b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	1+
A-10b	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	1+
A-1c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	2+	2+
A-2c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-3c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	4+	3+
A-4c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	4+	1+
A-5c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	3+
A-6c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	2+	2+
A-7c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	2+	1+
A-8c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	2+
A-9c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	3+	3+
A-10c	M	85	Prostate	Adenocarcinoma	5	4	9	T1b	Nx	TUR	2+	2+
A-1d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+	1+
A-2d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-3d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+	1+
A-4d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	M	M
A-5d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	3+	1+
A-6d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+	1+
A-7d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+	1+

Appendix A

Table 23
 NO 50 LOT 1 #2 Clinomic Laboratories Frozen Array Data
 a-Testosterone Staining of Prostate and Normal Tissue Arrays
 TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining Epithelium	0 to 4+	Stroma
A-8d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		1+
A-9d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	N		1+
A-10d	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+		1+
A-1e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		1+
A-2e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	M		M
A-3e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		1+
A-4e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	1+		1+
A-5e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		1+
A-6e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		1+
A-7e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		1+
A-8e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		1+
A-9e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		2+
A-10e	M	78	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	2+		1+
B-1a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+		1+
B-2a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	M		M
B-3a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+		1+
B-4a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+		2+
B-5a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+		1+
B-6a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	2+		2+
B-7a	M	83	Prostate	Adenocarcinoma	2	3	5	T1b	Nx	TUR	1+		1+
B-8a	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	M		M
B-9a	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	3+		3+
B-10a	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	3+		4+
B-1b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+		3+
B-2b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	N		3+
B-3b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+		2+
B-4b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+		2+
B-5b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+		2+
B-6b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+		3+
B-7b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+		2+
B-8b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	M		M
B-9b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	2+		3+
B-10b	M	76	Prostate	Adenocarcinoma	3	5	8	T1b	Nx	TUR	3+		3+
B-1c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N		3+
B-2c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+		2+
B-3c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N		3+

NO 50 LOT 1 #2 Clinform Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining	
											Epithelium	Stroma
B-4c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
B-5c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N	3+
B-6c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
B-7c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
B-8c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
B-9c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
B-10c	M	69	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
B-1d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-2d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-3d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-4d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-5d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-6d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-7d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-8d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-9d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	2+
B-10d	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	N	N
B-1e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	1+	1+
B-2e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	M	M
B-3e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	1+	1+
B-4e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	1+	1+
B-5e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	2+
B-6e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	3+	1+
B-7e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-8e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-9e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	2+	1+
B-10e	M	86	Prostate	Adenocarcinoma	5	3	8	T1	Nx	TUR	3+	2+
B-1f	M	66	Prostate	prostatic hyperplasia						TUR	2+	2+
B-2f	M	81	Prostate	prostatic hyperplasia						TUR	2+	2+
B-3f	M	78	Prostate	prostatic hyperplasia						TUR	2+	2+
B-4f	M	78	Prostate	prostatic hyperplasia						TUR	2+	3+
B-5f	M	78	Prostate	prostatic hyperplasia						TUR	N	2+
GRID C												
C-1a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	2+	2+
C-2a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	N	2+
C-3a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	2+	1+

Appendix A

Table 23

NO 50 LOT 1 #2 Clinomic Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining Epithelium	Stroma
C-4a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	N	2+
C-5a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	1+	2+
C-6a	M	69	Prostate	Adenocarcinoma	1	2	2	T1b	Nx	TUR	1+	1+
C-7a	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-8a	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-9a	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
C-10a	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-1b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-2b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-3b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	2+
C-4b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-5b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-6b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-7b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-8b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-9b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-10b	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-1c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-2c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-3c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
C-4c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-5c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-6c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
C-7c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-8c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N	1+
C-9c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-10c	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-1d	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	2+
C-2d	M	84	Prostate	Benign prostatic hypertrophy			10	T1	Nx	TUR	2+	2+
C-3d	M	84	Prostate	Benign prostatic hypertrophy			10	T1	Nx	TUR	2+	1+
C-4d	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
C-5d	M	84	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	2+
C-6d	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	2+	2+
C-7d	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	2+
C-8d	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	1+	1+
C-9d	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	1+
C-10d	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	1+

Appendix A

Table 23
NO 50 LOT 1 #2 Clinomic Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining	
											Epithelium	Stroma
C-1e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	2+	1+
C-2e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	N	1+
C-3e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	2+	0
C-4e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	0
C-5e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	1+	1+
C-6e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	M	M
C-7e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	2+
C-8e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	2+	2+
C-9e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	3+	2+
C-10e	M	64	Prostate	Adenocarcinoma	4	5	9	T1	Nx	TUR	1+	1+
C-1f	M	66	Prostate	benign prostatic hypertrophy						TUR	2+	2+
C-2f	M	66	Prostate	benign prostatic hypertrophy						TUR	1+	1+
C-3f	M	66	Prostate	benign prostatic hypertrophy						TUR	2+	2+
GRID D												
D-1a	M	73	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	3+	2+
D-2a	M	73	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	2+	2+
D-3a	M	73	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	M	M
D-4a	M	61	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	3+	2+
D-5a	M	61	Prostate	Adenocarcinoma	2	3	5	T1	Nx	TUR	2+	1+
D-6a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
D-7a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
D-8a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	1+
D-9a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	1+
D-10a	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
D-1b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
D-2b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	4+	2+
D-3b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
D-4b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
D-5b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	1+
D-6b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	1+
D-7b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	2+
D-8b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	4+	1+
D-9b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	4+	2+
D-10b	M	68	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
D-1c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	1+	2+

Appendix A

Table 23
NO 50 LOT 1 #2 Clinomic Laboratories Frozen Array Data
a-Testosterone Staining of Prostate and Normal Tissue Arrays
TMA PR 200 Lot 1 #2

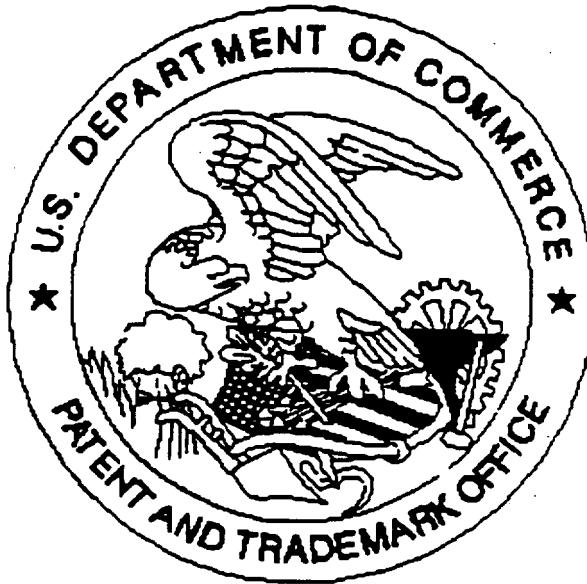
COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	a-Test Staining		
										SURGERY	Epithelium	Stroma
D-2c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	N	2+
D-3c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
D-4c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	M	M
D-5c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	3+	1+
D-6c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
D-7c	M	77	Prostate	Adenocarcinoma	5	5	10	T1	Nx	TUR	2+	1+
D-8c	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	3+	2+
D-9c	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	2+	1+
D-10c	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	1+	1+
D-1d	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	2+	2+
D-2d	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	3+	1+
D-3d	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	1+	1+
D-4d	M	73	Prostate	Adenocarcinoma	2	4	6	T1	Nx	TUR	M	M
D-5d	M	72	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	M	M
D-6d	M	72	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	3+	2+
D-7d	M	72	Prostate	Adenocarcinoma	3	4	7	T1	Nx	TUR	4+	2+
D-8d	M	94	Prostate	Adenocarcinoma	3	2	5	T1	Nx	TUR	4+	2+
D-9d	M	94	Prostate	Adenocarcinoma	3	2	5	T1	Nx	TUR	2+	1+
D-10d	M	94	Prostate	Adenocarcinoma	3	2	5	T1	Nx	TUR	2+	1+
D-1e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	2+
D-2e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	4+	2+
D-3e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	1+
D-4e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	2+
D-5e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	2+
D-6e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	4+	2+
D-7e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	1+	1+
D-8e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	2+	2+
D-9e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	N	1+
D-10e	M	72	Prostate	Adenocarcinoma	5	4	9	T1	Nx	TUR	3+	2+
D-1f	M	65	Prostate	prostatic hyperplasia						TUR	1+	2+
D-2f	M	81	Prostate	prostatic hyperplasia						TUR	1+	2+
D-3f	M	66	Prostate	prostatic hyperplasia						TUR	1+	1+
D-4f	M	71	Prostate	benign prostatic hypertrophy						TUR	1+	2+
D-5f	M	71	Prostate	benign prostatic hypertrophy						TUR	3+	3+

Appendix A

Table 23
 NO 50 LOT 1 #2
 a-Testosterone Staining of Prostate and Normal Tissue Arrays
 TMA PR 200 Lot 1 #2

COORDINATES	SEX	AGE	ORGAN	TUMOR TYPE	GLEASON 1	GLEASON 2	GLEASON SUM	PT	PN	SURGERY	a-Test Staining Epithelium	0 to 4+
Controls												
1	F	32	Brain	normal								
2	F	6	Heart	normal								2+
3	F	6	Liver	normal								2+
4	F	32	Spleen	normal								2+
5	F	101	Muscle	normal								2+
6	M	62	Testes	normal								1+
7	F	101	Kidney	normal								2+
8	F	52	Thyroid	normal								3+
9	M	62	Adrenal	normal								N
10	F	32	Lung	normal								2+
11	F	36	Breast	normal								2+
12	F	52	Lymph Node	normal								N
												4+

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for scanning. (Document title)

☐ Page(s) _____ of _____ were not present
for scanning. (Document title)

☒ Scanned copy is best available. Drawings are very dark
Figures 1B, 2A-E, 3-4C

Page 77-352 of Specification is Tables (2-23)
Appendix A. Table 1 was not available